



2016-17 President's Leadership  
Council at NOC Cove



**NORTHERN**  
Oklahoma College  
TONKAWA | ENID | STILLWATER

## 2017-2018 Catalog

Life changing.

# Message from the President



The academic and professional programs offered by Northern Oklahoma College provide students with challenging opportunities to earn degrees that are valued in the workplace and are transferable to other universities to fulfill general education requirements. Academic quality is monitored by faculty, administrators, and students, as well as institutional accrediting agencies such as the Higher Learning Commission. In addition, other national accrediting agencies interested in specific program areas such as nursing and business professions review the content and structure of academic courses, academic and professional qualifications of faculty, campus facilities, and other matters relative to achieving and maintaining academic excellence. Importantly, the Oklahoma State Regents for Higher Education have in place a systematic program review process that monitors program quality as well as appropriate course offerings throughout the system of higher education in Oklahoma.

With locations in Tonkawa (established in 1901), Enid (established in 1999), and Stillwater (established in 2003), Northern Oklahoma College serves the academic needs of Oklahomans and others in the north and north central regions of the state. The faculty have earned an outstanding reputation for creating an exemplary learning environment. In addition, they are recognized for their genuine concern for assisting students to achieve their academic goals.

This publication contains regulations which govern student admission, enrollment, and other pertinent information about the college. It should serve as a guide for you in planning a successful academic career at Northern Oklahoma College. I wish you much success as you complete your education at NOC.

Cheryl Evans, Ed.D.,  
President, Northern Oklahoma College

This Catalog offers information about the academic program and support services of the College and is as accurate as possible, but the information may not remain current for all of the academic year. Circumstances may prompt changes in courses, course content, credit fees, regulations, semester calendar, curriculum, degrees offered, and other matters (all updates available at the "Academics" webpage:

<http://www.noc.edu/academics>). Such changes authorized by the College apply both to prospective students and to those previously enrolled, unless the latter are specifically exempted.

For information, call or write to:

**Northern Oklahoma College**  
**Office of Academic Affairs**  
**P.O. Box 310, Tonkawa Oklahoma 74653-0310**  
**580.628.6210**



**TONKAWA**  
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TONKAWA, OK 74653-0310  
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PHOTO: CENTRAL HALL



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PHOTO: MARSHALL BUILDING



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STILLWATER, OK 74076-1869  
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FAX: 405.744.2227  
PHOTO: COWBOY MALL



Website: <http://www.noc.edu>

Northern Oklahoma College does not discriminate on the basis of race, color, national origin, sex, disability, genetic information, or age in its programs, services, and activities.

This notice is provided as required by Age Discrimination Act, Title II of the Americans with Disabilities Act Amendments Act, Title VI of the Civil Rights Act of 1964, Title IX of the Education Amendments of 1972, Section 504 of the Rehabilitation Act of 1973, the Oklahoma Personnel Act, as well as other legislation dealing with discrimination and harassment for categorically protected students and personnel. Questions, complaints or requests for additional information regarding these laws may be forwarded to the designated compliance coordinator:

Jason Johnson, Vice President for Student Affairs  
Northern Oklahoma College  
1220 East Grand Avenue, P.O. Box 310  
Tonkawa, OK 74653-0310  
Telephone 580-628-6240 (8 a.m. to 5 p.m. CST Monday through Friday)

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# NORTHERN OKLAHOMA COLLEGE

## Institutional Information

### *History*

Through the efforts of the Honorable James H. Wilkin, on March 1, 1901, the Oklahoma Territorial Legislature passed an act appropriating money to establish University Preparatory School at Tonkawa. Wilkin also obtained an endowment of land for the school. Consequently, Central Hall was constructed, a faculty employed, and other essentials of an educational institution provided. In September 1902, the doors of the new school swung open to prospective students. Two hundred and twenty-seven young men and women enrolled; thus opened the colorful history of one of Oklahoma's most important and picturesque educational institutions.

As the curriculum expanded and the enrollment increased, new equipment and other facilities became necessary. An act of Congress dated June 2, 1906, provided for the donation to the school of a section of land adjoining the city of Tonkawa. Proceeds from the sale of this land were to be used to provide additional buildings. A similar act of 1909 granted another tract of land for the same purpose. Harold Hall and Foster-Piper Fieldhouse were erected and paid for with the funds secured from the sale of these lands.

The college department was established in 1921, and the institution became a fully-accredited junior college. By an act of legislature in 1941, the name was changed to Northern Oklahoma Junior College. Further changes were made by the state legislature in 1965 with the passage of the Higher Education Code. This new statement of law changed the institution's official name to Northern Oklahoma College. Its three-man Board of Regents was expanded to five and given added authority and freedom in conducting institutional affairs.

In June 1999, Northern purchased the grounds and buildings of the Phillips University campus in Enid. Phillips University, a private institution established in 1907 by the Disciples of Christ, had closed its doors in August 1998. The purchase of the campus allowed Northern to expand its services to its Enid students and to provide for growth of its academic, student and community programs.

In 2001, Northern Oklahoma College celebrated the centennial anniversary of its founding, and, with the beginning of the fall 2002 semester, entered its second hundred years of providing quality education to students. The history of the institution is unique in the annals of higher education.

In August 2003, Northern joined in a partnership with Oklahoma State University to expand educational opportunities for college bound students in Oklahoma. The partnership allowed Northern to expand its services to its Stillwater students.

### *Vision Statement*

Northern Oklahoma College will be recognized as a model institution and leader in academic quality and cultural enrichment, promoting student success, collaborative learning, creative and forward thinking, and community responsiveness.

### *Mission Statement*

In the planning process for the 2013-2018 Strategic Plan, Northern Oklahoma College adopted a new mission statement that maintains its emphasis on quality education while recognizing its growing presence through multiple locations in Oklahoma:

*Northern Oklahoma College, the State's oldest community college, is a multi-campus, land-grant institution that provides high quality, accessible, and affordable educational opportunities and services*

*which create life-changing experiences and develop students as effective learners and leaders within their communities in a connected, ever-changing world.*

## Core Values

### Personalized Education:

- We believe in providing individualized services that lead our students to achieving their academic goals in a welcoming and safe environment.
- We believe in providing support to students in and out of the classroom so that they receive a full college experience with diverse opportunities.

### Community and Civic Engagement:

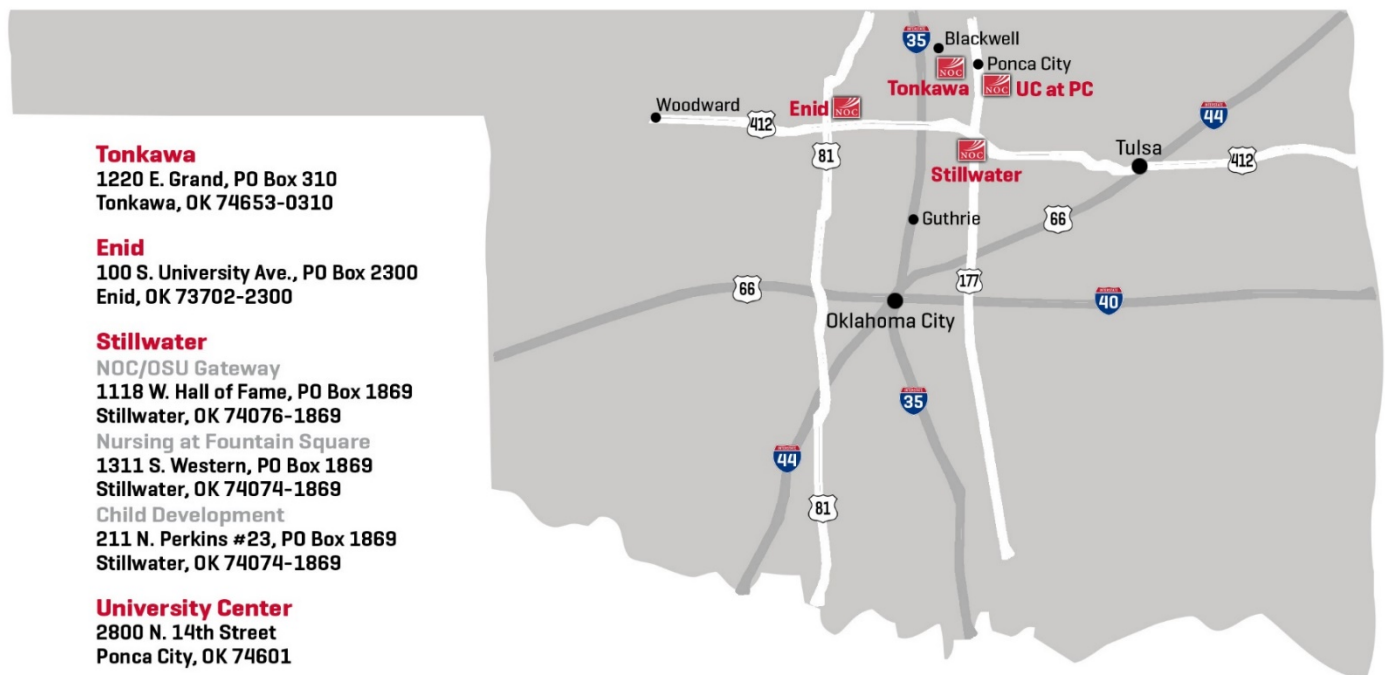
- We believe that educated citizens are necessary for a healthy, democratic society, and that free and open expression and an appreciation for diversity are cornerstones of higher education.
- We believe in economic and environmental sustainability and the importance of enriching the intellectual, artistic, economic, and social resources of our communities.

### Continuous Improvement:

- We believe in the inherent value of intellectual pursuit for both personal and professional growth, as well as in the need to prepare students for 21<sup>st</sup> century professions.
- We believe that a knowledge-centered institution is vital to a knowledge-based economy, and we measure our success against national models and standards of excellence.

## Locations

The site of the original Northern Oklahoma College campus, in Tonkawa, Oklahoma, and Northern's sites in Enid, Ponca City, and Stillwater are depicted in the map below.



From any of Northern's locations, students may easily travel to their homes in almost any part of the state. Tonkawa is conveniently located on U.S. Highway 60, the main east-west highway in northern Oklahoma, and just two miles east of Interstate Highway 35, the state's north-south traffic artery. Enid

is located on a major north-south highway, U.S. 81, and U.S. Highways 412 and 64, major east-west routes. Stillwater is located on a major north-south highway, U.S. 177, and U.S. 51, a major east-west route.

The Tonkawa campus, established in 1901, serves as the administrative center for Northern. All program oversight in academic, financial, student service, personnel, development, physical plant, and information technology is housed in Tonkawa. Over 1500 students attend class on site, by ITV, or via online. Offering over 20 distinct degree paths with over 40 degree options and an array of courses, Northern distinguishes itself as a leading community college in Oklahoma.

The Enid site of Northern Oklahoma College was established in 1999 in conjunction with the Oklahoma State Regents for Higher Education (OSRHE) and the City of Enid. This site has grown in offering multiple two-year liberal arts degree programs to some 800 students each semester. The Enid site continues to expand its faculty, curriculum, and numerous clubs and activities.

The Stillwater site, established in 2003, serves multiple missions to area students. Primarily a Gateway Program, the Stillwater site serves students who would otherwise not be admitted to Oklahoma State University. The site, however, also admits students seeking general education courses that transfer to other comprehensive colleges and universities. Northern Stillwater admits approximately 300 new students each fall and spring semester, serving some 1,700 students.

With general education coursework offered at the University Center in Ponca City as a supplement to the bachelor's degrees offered by other institutions that are part of the UC consortium, and program coursework offered in Child Development and Nursing at Northern's additional locations in Stillwater, Northern Oklahoma College serves student needs throughout the Northern Oklahoma region.

## *Accreditation and Memberships*

Northern Oklahoma College is accredited by the Higher Learning Commission, 30 North LaSalle Street, Suite 2400, Chicago, IL 60602-2504; telephone (800) 621-7440, [NCAHLC website link: http://ncahlc.org/](http://ncahlc.org/).

The Nursing program at Northern is accredited by the Accreditation Commission for Education in Nursing (ACEN), 3343 Peachtree Road, NE, Suite 850, Atlanta, Georgia, 30326; telephone (404) 975-5000.

Northern was the first two-year institution in Oklahoma to receive accreditation by the Accreditation Council for Business Schools and Programs and has maintained accreditation through ACBSP, 11520 West 119<sup>th</sup> Street, Overland Park, Kansas 66213, telephone (913) 339-9356.

The college also enjoys memberships and affiliations with the following: American Association of Collegiate Registrars and Admissions Officers, American Association of Community Colleges, Council for Advancement and Support of Education, Council of North Central Two-year Colleges, Oklahoma Association of Collegiate Registrars and Admissions Officers, Oklahoma Association of Community Colleges, National League of Nursing, Oklahoma Association for Affirmative Action, Oklahoma Association for Institutional Research and Planning, Oklahoma College Public Relations Association, Committee on Accreditation for Respiratory Care, National Association of University and College Business Officers, Southern Association of University and College Business Officers, Southern Association of Collegiate Registrars and Admission Officers, Oklahoma Association of University and College Business Officers, and Oklahoma Department of Career and Technology Education.

Northern Oklahoma College meets the requirements to participate in the State Authorization Reciprocity Agreement (S.A.R.A.) through approval from the Oklahoma State Regents for Higher Education in April 2016. In addition, NOC is an approved institution by the National Council for State Authorization Reciprocity Agreements (NC-S.A.R.A.). More details can be found at the following links:

Oklahoma State Regents of Higher Education website: <http://www.okhighered.org/admin-fac/sara/>

National Council for State Authorization Reciprocity Agreements website: <http://nc-sara.org/sara-states-institutions>

NOC representatives are active in the Oklahoma Council of Presidents, Council of Instruction, Council of Business Officers, Council of Student Affairs, Communicators Council, Economic Development Council, and Council for Oklahoma Extended Campus Administrators.

## *Air Force ROTC*

Air Force Reserve Officer Training Corps (AFROTC) AFROTC is a nationwide program that allows students to pursue commissions (become officers) in the United States Air Force (USAF) while simultaneously attending college. AFROTC classes are held on college campuses throughout the United States and Puerto Rico; students can register through normal course registration processes. AFROTC consists of four years of Aerospace Studies classes (Foundations of the USAF, Evolution of USAF and Space Power, Air Force Leadership Studies, and National Security Affairs/Preparation for Active Duty), and a corresponding Leadership Laboratory for each year (where students apply leadership skills, demonstrate command and effective communication, develop physical fitness, and practice military customs and courtesies). College students enrolled in the AFROTC program (known as "cadets") who successfully complete both AFROTC training and college degree requirements will graduate and simultaneously commission as Second Lieutenants in the Active Duty Air Force. The AFROTC program is currently offered at Oklahoma State University, but they have a crosstown agreement that allows our students to enroll in AFROTC and become full-fledged cadet participants. For more information on AFROTC course descriptions, please review the Oklahoma State Regents of Higher Education: <http://registrar.okstate.edu/University-Catalog-College-of-Arts-and-Sciences#aero>. For more information on the AFROTC program, please review the OSU Detachment's website at: <http://afrotc.okstate.edu/>

## *Affirmative Action Program*

Northern's Affirmative Action Program reflects the commitment of the College to equal opportunity and outlines the procedures necessary to fulfill this commitment. Northern is committed by policy of its Board of Regents to promote equal opportunity in all phases of college life for all persons within its constituency. Northern's Affirmative Action Program complies with the legal requirements for federal and state civil rights laws and implements directives. To meet adequately the needs of protected groups, such as the qualified handicapped, self-identification is encouraged on enrollment forms so those eligible can be afforded every opportunity to take advantage of the services offered. All information is protected by privacy laws and used only for affirmative action purposes.

## *Student Rights to Privacy of Records-FERPA*

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*All student records are subject to federal guidelines for student privacy under the FERPA regulations as summarized from the FERPA website below with the institutional name inserted:*

**THE FAMILY EDUCATIONAL RIGHTS AND PRIVACY ACT (FERPA) AFFORD ELIGIBLE STUDENTS CERTAIN RIGHTS WITH RESPECT TO THEIR EDUCATION RECORDS. (AN "ELIGIBLE STUDENT" UNDER FERPA IS A STUDENT WHO IS 18 YEARS OF AGE OR OLDER OR WHO ATTENDS A POSTSECONDARY INSTITUTION.) THESE RIGHTS INCLUDE:**

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1. The right to inspect and review the student's education records within 45 days after the day *Northern Oklahoma College* receives a request for access. A student should submit to the registrar, dean, head of the academic department, or other appropriate official, a written request that identifies the record(s) the student wishes to inspect. The school official will make arrangements for access and notify the student of the time and place where the records may be inspected. If the records are not maintained by the school official to whom the request was submitted, that official shall advise the student of the correct official to whom the request should be addressed.
2. The right to request the amendment of the student's education records that the student believes is inaccurate, misleading, or otherwise in violation of the student's privacy rights under FERPA.

A student who wishes to ask the school to amend a record should write the school official responsible for the record, clearly identify the part of the record the student wants changed, and specify why it should be changed.

If the school decides not to amend the record as requested, the school will notify the student in writing of the decision and the student's right to a hearing regarding the request for amendment. Additional information regarding the hearing procedures will be provided to the student when notified of the right to a hearing.

3. The right to provide written consent before the university discloses personally identifiable information (PII) from the student's education records, except to the extent that FERPA authorizes disclosure without consent.

The school discloses education records without a student's prior written consent under the FERPA exception for disclosure to school officials with legitimate educational interests. A school official is a person employed by *Northern Oklahoma College* in an administrative, supervisory, academic, research, or support staff position (including law enforcement unit personnel and health staff); a person serving on the board of trustees; or a student serving on an official committee, such as a disciplinary or grievance committee. A school official also may include a volunteer or contractor outside of *Northern Oklahoma College* who performs an institutional service or function for which the school would otherwise use its own employees and who is under the direct control of the school with respect to the use and maintenance of PII from education records, such as an attorney, auditor, or collection agent or a student volunteering to assist another school official in performing his or her tasks. A school official has a legitimate educational interest if the official needs to review an education record in order to fulfill his or her professional responsibilities for *Northern Oklahoma College*.

Upon request, the school also discloses education records without consent to officials of another school in which a student seeks or intends to enroll.

The right to file a complaint with the U.S. Department of Education concerning alleged failures by *Northern Oklahoma College* to comply with the requirements of FERPA. The name and address of the Office that administers FERPA is:

Family Policy Compliance Office  
U.S. Department of Education  
400 Maryland Avenue, SW  
Washington, DC 20202



FERPA permits the disclosure of PII from students' education records, without consent of the student, if the disclosure meets certain conditions found in §99.31 of the FERPA regulations. Except for disclosures to school officials, disclosures related to some judicial orders or lawfully issued subpoenas, disclosures of directory information, and disclosures to the student, §99.32 of FERPA regulations requires the institution to record the disclosure. Eligible students have a right to inspect and review the record of disclosures. A postsecondary institution may disclose PII from the education records without obtaining prior written consent of the student –

- To other school officials, including teachers, within *Northern Oklahoma College* whom the school has determined to have legitimate educational interests. This includes contractors, consultants, volunteers, or other parties to whom the school has outsourced institutional services or functions, provided that the conditions listed in §99.31(a)(1)(i)(B)(1) - (a)(1)(i)(B)(2) are met. (§99.31(a)(1))
- To officials of another school where the student seeks or intends to enroll, or where the student is already enrolled if the disclosure is for purposes related to the student's enrollment or transfer, subject to the requirements of §99.34. (§99.31(a)(2))
- To authorized representatives of the U. S. Comptroller General, the U. S. Attorney General, the U.S. Secretary of Education, or State and local educational authorities, such as a State postsecondary authority that is responsible for supervising the university's State-supported education programs. Disclosures under this provision may be made, subject to the requirements of §99.35, in connection with an audit or evaluation of Federal- or State-supported education programs, or for the enforcement of or compliance with Federal legal requirements that relate to those programs. These entities may make further disclosures of PII to outside entities that are designated by them as their authorized representatives to conduct any audit, evaluation, or enforcement or compliance activity on their behalf. (§§99.31(a)(3) and 99.35)
- In connection with financial aid for which the student has applied or which the student has received, if the information is necessary to determine eligibility for the aid, determine the amount of the aid, determine the conditions of the aid, or enforce the terms and conditions of the aid. (§99.31(a)(4))
- To organizations conducting studies for, or on behalf of, the school, in order to: (a) develop, validate, or administer predictive tests; (b) administer student aid programs; or (c) improve instruction. (§99.31(a)(6))
- To accrediting organizations to carry out their accrediting functions. (§99.31(a)(7))
- To parents of an eligible student if the student is a dependent for IRS tax purposes. (§99.31(a)(8))
- To comply with a judicial order or lawfully issued subpoena. (§99.31(a)(9))
- To appropriate officials in connection with a health or safety emergency, subject to §99.36. (§99.31(a)(10))
- Information the school has designated as "directory information" under §99.37. (§99.31(a)(11))
- To a victim of an alleged perpetrator of a crime of violence or a non-forcible sex offense, subject to the requirements of §99.39. The disclosure may only include the final results of the disciplinary proceeding with respect to that alleged crime or offense, regardless of the finding. (§99.31(a)(13))
- To the general public, the final results of a disciplinary proceeding, subject to the requirements of §99.39, if the school determines the student is an alleged perpetrator of a crime of violence or non-forcible sex offense and the student has committed a violation of the school's rules or policies with respect to the allegation made against him or her. (§99.31(a)(14))

- To parents of a student regarding the student's violation of any Federal, State, or local law, or of any rule or policy of the school, governing the use or possession of alcohol or a controlled substance if the school determines the student committed a disciplinary violation and the student is under the age of 21. (§99.31(a)(15))

FERPA website: <http://familypolicy.ed.gov/content/model-notifications-rights-under-ferpa-postsecondary-institutions>

## ***Governing Boards***

The Oklahoma State Regents for Higher Education (OSRHE) is the State's legal structure for providing public education at the collegiate level. The Constitution of Oklahoma and the Oklahoma Higher Education Code as enacted by the 1965 Legislature and as amended during subsequent sessions provide the legal framework for the Oklahoma State Regents for Higher Education to develop and implement policies and procedures necessary to maximize the functioning of this structure.

As noted on the OSRHE website, the establishment of the State Regents is based on State Constitution and calls for both a state governing board and a local governing board with membership appointed by the Governor:

"There is hereby established the Oklahoma State Regents for Higher Education, consisting of nine (9) members appointed by the Governor, confirmed by the Senate, and who shall be removable only for cause, as provided by law for the removal of officers not subject to impeachment. Upon the taking effect of this Article, the Governor shall appoint the said Regents for terms of office as follows: one for a term of one year, one for a term of two years, one for a term of three years, one for a term of four years, one for a term of five years, one for a term of six years, one for a term of seven years, one for a term of eight years, and one for a term of nine years. Any appointment to fill a vacancy shall be for the balance of the term only. Except as above designated, the term of office of said Regents shall be nine years or until their successors are appointed and qualified.

The Regents shall constitute a coordinating board of control for all State institutions described in Section 1 hereof, with the following specific powers: (1) it shall prescribe standards of higher education applicable to each institution; (2) it shall determine the functions and courses of study in each of the institutions to conform to the standards prescribed; (3) it shall grant degrees and other forms of academic recognition for completion of the prescribed courses in all of such institutions; (4) it shall recommend to the State Legislature the budget allocations to each institution, and (5) it shall have the power to recommend to the Legislature proposed fees for all of such institutions, and any such fees shall be effective only within the limits prescribed by the Legislature." (Oklahoma Constitution, Article XIII A, Section 2)

Oklahoma State Regents for Higher Education website: <http://www.okhighered.org/state-system/overview/part1.shtml>

### **2017-2018 Oklahoma State Regents for Higher Education**

Glen D. Johnson, Jr., *Chancellor, Oklahoma City*  
 John Massey, Chair, *Durant*  
 Ronald H. White, M.D., Vice Chair, *Oklahoma City*  
 Jay Helm, Secretary, *Tulsa*  
 Joseph L. Parker Jr., Asst. Chair, *Tulsa*  
 Jeffrey Hickman, *Fairview*  
 Ann Holloway, *Ardmore*  
 Andrew W. Lester, *Oklahoma City*  
 Gen. Toney Stricklin, *Lawton*  
 Mike C. Turpen, *Oklahoma City*

## **2017-2018 NOC Board of Regents**

Jeff Cowan, Chair, *Ponca City*  
Linda Brown, Vice Chair, *Ponca City*  
Stan Brownlee, Secretary, *Enid*  
*Dale DeWitt, Stillwater*  
Chad Dillingham, *Enid*

## ***NOC Organizational Chart and Faculty***

*The Executive Council serving Northern Oklahoma College is listed below:*

Dr. Cheryl Evans, President

*B.A., Northwestern Oklahoma State University*  
*M.A., Wichita State University*  
*Ed.D., Oklahoma State University*

Dr. Shannon Cunningham, Vice President of the Stillwater Campus

*A.A., Northeastern Oklahoma A & M, 2000; B.S., Oklahoma State University, 2002;*  
*M.Ed., University of Arkansas, 2006; Ph.D., Oklahoma State University, 2013*

Dr. Rick Edgington, Vice President of Enrollment Management and Registrar

*A.A., Northern Oklahoma College, 1984; B.A., Wichita State University, 1986;*  
*M.Ed., Wichita State University, 1988; Ed.D., Oklahoma State University, 2005*

Jason Johnson, Vice President of Student Affairs

*A.A., Northern Oklahoma College, 1994; B.S., University of Central Oklahoma, 1996;*  
*M.Ed., Northwestern Oklahoma State University, 2003*

Anita Simpson, Vice President of Financial Affairs

*A.S., Northern Oklahoma College, 1986; B.S., Oklahoma State University, 1988;*  
*CPA, 1999*

Sheri Snyder, Vice President of Development and Community Relations

*A.A., Northern Oklahoma College, 1991; B.S., Oklahoma State University, 1993;*  
*M.Ed., Northwestern Oklahoma State University, 2003*

Dr. Pam Stinson, Vice President of Academic Affairs

*B.A., Northeastern State University, 1987; M.A., Northeastern State University, 1989;*  
*Ph.D., Oklahoma State University, 1997*

Dr. Edwin Vineyard, Vice President of the Enid Campus

*A.S., Northern Oklahoma College, 1981; B.S., Oklahoma State University, 1983;*  
*M.S., Oklahoma State University, 1987; Ed.D., Oklahoma State University, 1989*

Full-time faculty and their credentials are listed below. Adjunct faculty and contact information for all faculty are found on the NOC website under the “Academic” divisional pages.

*(The following designations indicate primary campus location: E-Enid, S-Stillwater, T-Tonkawa.*

*\*Division Chairs, while housed on one campus, supervise full-time faculty for their divisions at all locations.)*

### **DIVISION OF AGRICULTURE, SCIENCE, AND ENGINEERING**

Matt Bolz (E)

*B.S., Southwestern Oklahoma State University, 2006; M.Ed., Southwestern Oklahoma State University, 2010*

Kurt Campbell (T)

*B.S., Oklahoma State University, 1998; DVM, Oklahoma State University, 2001*

Bart Cardwell (T)

*B.S., Oklahoma State University, 1992; M.S., Oklahoma State University, 1997*

Jack Cnossen (T)

*B.S., Worcester Polytechnic Institute, 1983; M.S., Worcester Polytechnic Institute, 1989; Ph.D., Worcester Polytechnic Institute, 1990*

Crys Davis (S)

*B.A., Oklahoma State University, 2008; M.S., Oklahoma State University, 2011*

Mary Gard (S)

*B.S., Oklahoma State University, 2005; M.S., Oklahoma State University, 2010*

Scott Harmon (T)

*B.S., Oklahoma State University, 2005; M.Ed., University of Central Oklahoma, 2014*

Mary Ann Harris (E)

*B.S., Kansas State University, 1994; M.S., West Texas A&M University, 1995; Ph.D., University of Arizona, 2005*

Sherrie Martin (S)

*B.S., Oklahoma State University, 1998; M.S., Oklahoma State University, 2001*

Mary Ann McCoy (E)

*B.S., Alcorn State University, 1979; M.S., Alcorn State University, 1998*

Lisa McGaw (T)

*B.S., Stephen F. Austin University, 1981; M.S., West Texas A&M University, 2000*

\*Tricia Moore (T)

*B.S., Tarleton State University, 1992; M.S., Oklahoma State University, 1995*

Charmaine Munro (E)

*B.S., Midwestern State University, 1998; Ph.D., Oklahoma State University, 2014*

Darrel Negelein (S)

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A complete institutional organizational chart may be found at the following link on NOC's website:

<http://www.noc.edu/organizational-chart>.



# Application and Admissions

## *Application Procedure*

The forms needed to apply for general admission to Northern Oklahoma College, whether as a first-time freshmen or transfer student, can be found on the NOC website application page:

<http://www.noc.edu/apply/>

Enrollment checklists to guide students through each step of the enrollment procedure may be found on the NOC website Future Students' page: <http://www.noc.edu/future-students>.

High school seniors and juniors seeking concurrent admission should complete the application form found on the NOC website admissions' page: <http://www.noc.edu/admissions>. Videos under the "Concurrent Student" link of the NOC website may be viewed for helpful orientations for first-time students.

International students seeking admission should complete the application form found on [the NOC website "International Students" page: http://www.noc.edu/international-students](http://www.noc.edu/international-students).

## *Admission Guidelines*

Students may be admitted to Northern Oklahoma College at the beginning of any semester. Any individual who (1) is a graduate of an accredited high school or whose high school class has graduated or has received a GED certificate and (2) has participated in the American College Testing (ACT) program or a similar acceptable battery of tests is eligible for admission to Northern Oklahoma College.

Oklahoma Statutes, Title 70 §3244, requires that all students who enroll as a full-time or part-time student in an Oklahoma public or private postsecondary institution provide documentation of vaccinations against hepatitis B, measles, mumps, and rubella (MMR). The statute requires that institutions notify students of the vaccination requirements and provide students with educational information concerning hepatitis B, measles, mumps, and rubella (MMR), including the risks and benefits of the vaccination.

### **HIGH SCHOOL CURRICULAR ADMISSION**

Students wishing to complete an Associate in Science or an Associate in Arts degree must meet state high school curricular requirements. Effective with the Fall 2011 semester, the high school curricular criteria include the following:

- 4 units of English (grammar, composition, literature)
- 3 units of math (from Algebra I, Algebra II, geometry, trigonometry, math analysis, pre-calculus, calculus, Advanced Placement Statistics)
- 3 units of lab science (biology, chemistry, physics, or any lab science certified by the school district)
- 3 units of history and citizenship skills (including 1 unit of American history and 2 units from the subjects of history, government, geography, economics, and/or non-Western culture)
- 2 units from any of the subjects above, computer science, foreign language, or any Advanced Placement course
- Total-15 Units

Students lacking curricular requirements are admissible into Associate in Arts or Associate in Science programs but must remove the deficiencies at the earliest possible time within the first 24 hours attempted, not including developmental courses. In addition, students must remove curricular deficiencies in a discipline area before taking collegiate level work in that discipline. Students may remove curricular deficiencies either by successfully completing a 0-level course or by successfully completing an appropriate examination. Co-curricular opportunities are available as well, allowing students to begin earning college credit while simultaneously enrolled in developmental courses that provide additional support. Placement guidelines for these course options may be found on the NOC website page for Testing: <http://www.noc.edu/act>.

Courses taken to remove high school curricular deficiencies may not count toward satisfaction of degree program requirements.

### **HIGH SCHOOL CURRICULAR ADMISSION REQUIREMENTS FOR ASSOCIATE IN APPLIED SCIENCE**

Students entering Associate in Applied Science degree programs must remove high school curricular requirement deficiencies before taking courses in the same field as part of an AAS degree. Students admitted under this provision may not transfer into an Associate in Arts, Associate in Science, or baccalaureate program without first completing the high school curricular deficiencies.

### **ADMISSION TO THE NURSING PROGRAM**

Admission to the nursing program involves a selection process. Prospective nursing students should contact the Nursing Division to seek admission (Tonkawa – 580 628-6679; Enid – 580 548-2246; Stillwater – 405 533-7600). A point system is used to determine admittance to the nursing program. 6 areas are awarded points: (1) GPA for college OR high school GPA if a student has no college credits, (2) Biology or Chemistry grade for college OR high school AP biology or chemistry grade OR if no college or AP biology or chemistry grade, then the ACT sub-score for science reasoning, (3) ACT composite score or HESI A2 exam taken within the last 3 years, (4) Health related experience, (5) Previous college degrees, and (6) Writing/essay component. Admission to the nursing program is competitive, and interviews may be employed as a secondary tool to determine admission when numerous students fall within the same point range.

## **Admission Categories**

### **CONCURRENT HIGH SCHOOL STUDENTS**

High school juniors and seniors seeking admission should bring the completed concurrent application for admission, a current high school transcript, and the results of their ACT to the Registrar's Office to be formally admitted. See the following link for all Concurrent Student forms and policies:

<http://www.noc.edu/concurrent-students>.

### **FIRST-TIME FRESHMEN**

All applicants seeking admission must complete and submit an Application for Admission. Students should also request that their high school counselor or principal send to the Registrar's Office a high school transcript that contains the most current class rank and grade-point average (6th, 7th, or 8th semester). In addition, at the time of application, a request should be made to have the results of the ACT sent to the Registrar's Office, unless such a request was made at the time of testing.

### **HOME STUDY OR NON-ACCREDITED HIGH SCHOOL STUDENTS**

Any applicant who is a graduate of a private, parochial, or other nonpublic high school which is not accredited by a recognized accrediting agency and (1) has participated in the American College Testing (ACT) program, (2) whose high school class has graduated, and (3) has satisfied the high school curricular requirements of Northern Oklahoma College as certified by the school, or for home study, the parent, is eligible for admission.

### **INTERNATIONAL AND ESL STUDENTS**

International students are required to complete the international application form and make a \$5000 deposit before being permitted to enroll. Additionally, students for whom English is a second language are required to present evidence of proficiency in the English language prior to admission. A minimum score of 500 is required on the TOEFL exam. Provisional admission may be granted if the applicant has scored 460 and has studied at an approved English language school for a minimum of 12 weeks after taking the TOEFL. All international students are required to submit official transcripts to WES (World Education Services) for evaluation and conversion into the American system.

### ***OPPORTUNITY ADMISSION***

Students who have not graduated from high school and whose composite standard score on the American College Test (ACT) places them at the 99th percentile of all students using Oklahoma norms may apply for full enrollment at Northern Oklahoma College. Northern will determine the admissibility based on test scores, evaluation of the student's level of maturity and ability to function in the adult college environment, and whether the experience will be in the best interest of students intellectually and socially.

### ***SPECIAL NON-DEGREE SEEKING STUDENTS***

Students who wish to enroll in courses without intending to pursue a degree may be permitted to enroll in up to nine credit hours without declaring a major. After completion of nine credit hours, students must meet institutional admission or transfer requirements. Students must submit ACT scores or take placement tests for any area of remediation and complete designated coursework.

### ***TRANSFER STUDENTS***

Students who have enrolled in one or more colleges prior to applying to Northern Oklahoma College must complete and submit an Application for Admission and request that the registrar at each college send an official transcript of all work attempted to the Northern Registrar's Office. An Oklahoma State System student who wishes to transfer to Northern Oklahoma College must have a grade-point average high enough to meet Northern Oklahoma College's retention standards to be admitted as a regular student. An undergraduate student wishing to transfer from an out-of-state college or university must (1) meet Northern Oklahoma College's admission requirements and (2) have made an average grade of C in the institution from which the student is transferring.

### ***TRANSFER PROBATION STUDENTS***

Students who do not meet the minimum retention standards for Northern Oklahoma College, but who have not been formally suspended from the institution previously attended, may be admitted as transfer probation students. Students are admitted on probation and must maintain a retention/graduation 2.00 GPA each semester while on probation or raise their retention/graduation GPA to a level as designated in the Academic Regulations section. Any "transfer probation" student with curricular deficiencies must remove the deficiencies within the first 12 hours of enrollment and are eligible for admission only if admitted and enrolled before the first day of class.

### ***SUSPENDED STUDENTS FROM OTHER SYSTEM INSTITUTIONS***

Students who are suspended from other public system institutions may be admitted to Northern Oklahoma College if they follow the Academic Suspension Appeals procedures and agree to participate in appropriate remediation activities. In addition, they must be approved for admission by filing an appeal and having the suspension rescinded by the chief admissions officer, his or her designee, and/or the Academic and Financial Aids Appeals Committee. All students admitted through this procedure are on immediate probation and are eligible for admission only if admitted and enrolled prior to the first day of class.

### ***READMISSION OF SUSPENDED STUDENTS***

Students who are academically suspended by Northern Oklahoma College will not be allowed to re-enroll at the institution unless suspension is rescinded by the chief admissions officer, his or her designee, and/or the Academic and Financial Aids Appeals Committee. Details for academic suspension appeals are found in the Academic Regulations section of this catalog. Students may become eligible for readmission only if admitted and enrolled prior to the first day of class.

Suspended students who are readmitted must also agree to participate in appropriate remediation sessions in the student's areas of weakness. These areas may be but are not limited to study in reading, written communication skills and mathematics. Should a reinstated or readmitted student be suspended for a second time, the student cannot return to Northern Oklahoma College until he/she has attended another institution and raised his/her retention GPA to the established retention standards.

### **NON-ACADEMIC ADMISSION CRITERIA**

- A. In addition to the academic criteria used by institutions in the Oklahoma State System as the basis for student admission, Northern Oklahoma College shall consider the following non-academic criteria in deciding whether a first-time applicant or a transfer student shall be granted admission:
  - 1. Whether an applicant has been expelled, suspended, denied admission or denied readmission by any other educational institution.
  - 2. Whether an applicant has been convicted of a felony or convicted of any lesser crime involving moral turpitude.
  - 3. Whether an applicant's conduct has been such that if, at the time of the conduct in question, the applicant had been a student at the institution to which application is made, the course of conduct would have been grounds for expulsion, suspension, dismissal or denial of readmission.
- B. If Northern Oklahoma College finds that an applicant meets any of the above criteria, then Northern Oklahoma College shall deny admission to the applicant if it decides that any of the events described in the Academic Affairs Policy of the Oklahoma State Regents for Higher Education are indicative of the applicant's unfitness, at the time of application, to be a student at Northern Oklahoma College. If an applicant is denied admission on any of the foregoing grounds, there must be substantial evidence supporting the basis for denial. In addition, the applicant must be afforded adequate procedural safeguards, including the following:
  - 1. Be advised of the grounds for the denial.
  - 2. Be informed of the facts which form a basis of the denial.
  - 3. Be afforded an opportunity to be heard.



# Enrollment Procedures and Policies

## *Beginning the Enrollment Process*

Instructors will not admit students to a class in which they are not regularly enrolled, and credit will not be given for a subject carried without proper registration. Northern offers pre-enrollment for the following semester several weeks before the end of the current one. Early enrollment is advisable to ensure availability of classes needed. A class closes when the maximum class size is reached.

Registration consists of the following steps:

1. The student reports to the college Registrar for assignment of an academic advisor. Although all possible assistance will be given by the advisor, the final responsibility for complying with the required steps in the registration rests with the student.
2. If necessary, placement tests will be taken. Students are encouraged to make a testing appointment and are also advised to prepare before testing by reviewing the resources listed on the ACT website. Students who need to test in more than one area might find it beneficial to spread out the testing over more than one test session.
3. After any necessary placement testing, the student reports to an academic advisor who assists him/her in constructing a class schedule based upon the declared major and necessary general education courses. If possible, the student should make an appointment with that academic advisor to insure there will be sufficient time for discussing academic and career goals and the best course of study.

While students will have some scheduling options, courses selected must be in conformity with the curriculum decided upon, and a careful check for prerequisites should be made.

A Prerequisite refers to a course that must be completed prior to enrolling in another course—for example, ENGL 1113 Composition I must be taken before enrolling in ENGL 1213 Composition II.

4. Once a curriculum has been decided upon, the student, with the help of the academic advisor, can plan ahead so that subsequent registrations may be completed before the rush of registration day. Through a priority enrollment process, sophomores can enroll one week prior to general enrollment opening for new students to ensure availability of classes for graduation.

## *Understanding Course Numbers and Course Load*

NOC operates on a semester schedule with two 16-week semesters and a summer term that typically includes Early 6, Early 4, Late 6, and Late 4 courses. NOC adheres to the Oklahoma State Regents for Higher Education's policy regarding academic calendar standards and the calculation of a semester hour of credit. Those standards are reflected in the chart below:

Time listed represents in-class time only with the expectation that students will spend approximately two hours out of class in reading and completing homework assignments for every hour in class.

For online courses, the expectation is that students will spend approximately 3 hours per week for every credit hour of enrollment, either directly online or completing work for the course.

| If the course is | Meeting time will be | Lab hours for most science classes (e.g. Biology, Chemistry, Earth Science, Physical Science, and Physics) will meet for 100 minutes per week with additional work outside expected out of class. Microbiology meets for 160 minutes. Credit for labs and grades for lab participation and assignments are included within the accompanying lecture course. |
|------------------|----------------------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| 1 credit         | 800 minutes          |                                                                                                                                                                                                                                                                                                                                                             |
| 2 credits        | 1600 minutes         |                                                                                                                                                                                                                                                                                                                                                             |
| 3 credits        | 2400 minutes         |                                                                                                                                                                                                                                                                                                                                                             |
| 4 credits        | 3200 minutes         |                                                                                                                                                                                                                                                                                                                                                             |
| 5 credits        | 4000 minutes         |                                                                                                                                                                                                                                                                                                                                                             |

Before beginning to plan coursework for a four-semester period, students should be aware of the following facts concerning course numbers, semester course loads, and expected study time. The course number has special meaning. The first of the four-digit numbers represents the level of the offering, whether it is a first-year or a second-year course. Courses numbered in the 1000 group will normally be taken when the student is in his or her first year of college. The middle numbers of the four digits usually indicate the order of a course in its series. The final digit shows the credit hours earned by completing the course. Thus, a course numbered 1113 shows the course to be freshman level, the first in a series and worth three credit hours.

If the final digit is 3, then the student can expect to be in class approximately three hours per week. Some courses may vary slightly from this pattern. If the final digit for the course number is 0, the credit is variable; i.e., one to six hours of credit are determined by the instructor and should be communicated to the student at the time of registration.

If the first digit of the four digit number is 0, this course is a developmental course designed to prepare students for college level course work. College-level credit is not awarded for the completion of developmental courses. Developmental courses are not calculated in the retention graduation or cumulative grade-point average. Depending on the number of 0-level courses needed, a student may require more than two years at Northern to receive an associate degree.

### *Determining Appropriate Course Load*

The entering student should understand that four 15 credit-hour semesters need to be achieved in order to complete the 60 course hours required for most degrees. In actual practice, many students may take 14 hours one semester and 16 hours another semester in order to complete specific course requirements. Students should note that although only 12 hours are required to be considered full-time for financial aid purposes, an average load of 15 credit hours per semester (above developmental courses and activity courses that do not count toward retention GPA) is needed to complete the associate degree within two years.

A normal course load of 15-18 credit hours means that a student will be in class approximately 15 to 20 hours per week, depending on the number of courses requiring a laboratory period, and approximately 30 additional hours per week may be required for class preparation and studying.

Per State Regents' policy, a maximum credit load in any given term is "limited to a number of semester-credit hours which is 50 percent greater than the total number of weeks in the applicable academic term" [Section 3.12 of the Academic Affairs Procedures Manual]. Northern policy is that a student may enroll in a maximum of 19 semester hours in a regular 16-week term; requests to enroll in 20-24 hours (the State maximum for a 16-week term) require completing a petitioning card in the Registration Office. In a summer term, students may enroll in a maximum of 12 hours for an 8-week term, with no more than 6 hours taken during any 4-week term.

### *Procedures for Adding, Dropping, and Withdrawing from Class*

A student may change his/her class schedule by dropping or adding a course without financial penalty during the Drop or Add Period as specified in the Academic Calendar. The **add** period is the first two days (actual days, not class periods) of the fall or spring semester. During the summer session the add period varies, and the student should consult the academic calendar for that term. The drop period is the first two weeks of the fall or spring semester. During the summer session the drop period varies; again, consult the academic calendar for that term.

*Dropping* refers to the dropping of one or more courses while remaining enrolled in at least one course for a given semester. To drop a course a student must obtain his/her advisor's signature and/or his/her instructor's signature on the Add/Drop form. The student must then take this form to the Registrar's Office. Ceasing to attend a class does not constitute a drop. If a class drop occurs during the Drop or Add Period, the dropped class will not appear on the student's permanent record. If a student drops after the drop period through the twelfth week

of a regular semester, a grade of W will appear on the student's transcript. A W has no grade-point value and is not used as "hours attempted" in the computation of grade-point averages.

After the twelfth week of the semester, a grade of W or F will appear on the student's transcript, dependent upon grade status at the time the course was dropped. Designation of W does not affect grade-point value. In the fall and spring semesters, no drops will be processed after 5:00 p.m. on Friday before the week of final examinations. During summer sessions, no drops will be processed after 5:00 p.m. on the day before final examinations.

*Withdrawing* from Northern Oklahoma College refers to withdrawing from all courses in which a student is enrolled for a given semester. To withdraw from all courses a student must go to the Registrar's Office and formally withdraw from all courses or provide notification in writing and signed. Simply to stop attending classes does not constitute withdrawal and the student may receive a mark of "F" in all courses. A student may withdraw from school any time before the week of final examinations. If the withdrawal occurs up through the first ten days of a regular semester, courses do not appear on the student's permanent record. Withdrawal after this period results in designations of W or F as noted in the paragraph above for dropping a course.

Tuition and fees will be refunded to withdrawing students of a regular semester only on the following basis: 100 percent during the Drop Period, zero percent following the drop period. Special consideration is given to students in good academic standing who withdraw to enter military service.

### ***Institutional Minimum Attendance Policy***

Instructors may be authorized by the Office of Academic Affairs to administratively withdraw any student who does not attend a single class within the first two weeks of the semester or who does not attend at least 75% of instructional time within weeks 3-12. Instructors may also establish a more stringent attendance policy that will preempt the minimum of 75% if it is included in the class syllabus; however, students, not instructors, are responsible for safeguarding their transcripts by dropping classes they are no longer attending or withdrawing from the college if needed.

### ***Policy on Prior Learning Assessment or Obtaining Credit by Examination***

#### ***CREDIT BY PLA***

A student whose educational experiences appear to give him/her knowledge or proficiency equivalent to that ordinarily attained by those who have taken a course in regular classes may be allowed to take an examination for credit in the course if approved by the division chair for the academic division in which the credit would be offered. Credits earned by examination will be counted toward meeting the requirements of any degree program of which the course is a part. Credits earned by examination in courses which are not a part of the specific requirements of a certain degree program may be counted as electives within the total credits normally prescribed for a degree.

#### ***CREDIT BY EXAM***

*CLEP Credit:* Northern Oklahoma College is a national test site for the College Board's College Level Examination Program (CLEP). Credits earned through these examinations are normally recognized throughout the nation. Some exceptions apply to examinations that contain an essay component. National CLEP testing centers offer two kinds of examinations: general examinations and subject examinations. NOC only grants college credit for certain subject examinations (see link below). Any CLEP exam may be repeated after a time period of six months. A CLEP exam repeated earlier than six months will be cancelled and all fees will be forfeited. Students are required to submit an official CLEP score report if taken at another institution.

*AP Credit:* NOC grants credit for acceptable scores in the Advanced Placement Program (AP) as administered by the College Entrance Examination Board in Princeton, New Jersey. AP tests are taken by high school students while in high school. Students are also required to submit official AP score reports for evaluation if the student did not send the report directly to NOC.

A brochure of the CLEP and AP examinations and corresponding scores accepted by NOC can be found on the NOC Testing website: <http://www.noc.edu/noctesting>.

*Military credit:* NOC accepts credit as recommended by the American Council on Education (ACE), as published in "The Guide to the Evaluation of Military Experiences in the Armed Services." Please see the Council's website at: <http://www.acenet.edu/news-room/Pages/Military-Guide-Online.aspx> for more information on how selected educational experiences gained through the armed forces can translate into college credit. NOC also accepts credit earned through DSST exams (DANTES Subject Standardized Tests) for active, veteran and dependent military personnel. A JST (Joint Services Transcript) and/or a DSST Transcript must be submitted to the NOC Admission Office for evaluation of credit for military training.

Students are encouraged to inquire if they believe they are eligible for additional credit via other means of testing. Inquiries should be made in the NOC Registrar's office.

## *Policy on Transfer Credit*

When a student is admitted to NOC, his or her transcripts are evaluated for transfer credit. NOC recognizes transfer credit from U.S. regionally-accredited associations. Students must provide official transcripts from every school they have attended. Failure to acknowledge and submit transcripts from all schools attending may be considered academic fraud and might result in a student's expulsion from the institution.

A student's academic advisor, in consultation with the division chair, will determine how and if transfer credits can count toward degree requirements and which hours do count. For in-state institutions contributing to the state transfer matrix, course equivalency is determined by that matrix. Courses taken at a non-accredited school, or one whose accreditation is not recognized, will require submission of course descriptions and syllabi for possible credit. These documents might also be required for other in-state transfer decisions when a course is not listed on the state transfer matrix nor on internal transfer guides for partner institutions.

Students transferring from Northern Oklahoma College to other in-state institutions should expect all general education courses listed on the state transfer matrix (OSRHE transfer matrix website: <http://www.okhighered.org/transfer-students/course-transfer.shtml>) to transfer for equivalent courses listed; however, the credit awarded for any degree remains at the discretion of the receiving institution.

**Note:** Some transfer institutions may set grade requirements for either general education or program courses (e.g. a "C" rather than a "D" is required to "pass"). Students planning to transfer should always review the requirements of the transfer institution as they are completing coursework at NOC.

## *2017-2018 ACADEMIC CALENDAR*

The official calendar of the college is available on the NOC website at the following link, or by clicking on the "Academics" tab of the home page and then clicking on

"Academic Calendar": <http://www.noc.edu/academic-calendars>

In addition, *What's Happening at NOC* provides calendar updates emailed daily by NOC Public Information Office. Students should review the calendar and check emails frequently for any reminders about important enrollment dates.

# Academic Regulations

## *Student Status and Evaluation*

### **CLASSIFICATION OF STUDENTS**

Classification is determined at the beginning of each semester. The following minimum requirements are used in determining the classification of students:

- College Freshman: 30 or fewer semester hours.
- College Sophomore: More than 30 semester hours.
- Special Student: Any student not pursuing a degree is classified as a special student.

### **GRADING SYSTEM**

The following grade system is used: A, superior; B, good; C, average; D, passing; F, failure; P, passing; I, incomplete; W, withdrawal. If a student fails to complete a prescribed course by missing an examination, or for some other similar reason, his/her grade in the course may be recorded as an incomplete. If a student withdraws from a class after the add/drop period of the semester, designations indicating withdrawal will be placed on the student record.

Grade-point averages are determined by the total number of grade points earned divided by the total number of semester hours taken. A grade of "A" counts as 4 points; "B" counts as 3 points; "C" counts as 2 points; "D" counts as 1 point; and "F" has no numerical value. In order to graduate, a student must maintain a retention/graduation GPA of 2.0 in all courses. Students are classified for honors by grade-point averages. Non-traditional assignments discussed below are P, I, W, and F.

P (Passing): A "P" indicates satisfactory completion of a non-graded course. It does not affect grade-point average.

I (Incomplete): An "I" may be assigned as a grade to allow the student to complete the course in a relatively short period of time. Guidelines for conditions warranting an "I" include:

- Prolonged illness.
- Personal emergencies preventing completion of final work including examinations.
- Extenuating circumstances that have prevented completion of final papers or projects.

The issuance of an "I" is a decision made by the instructor after conferring with the student. Incomplete course work should be completed within two to eight weeks after the end of the semester. If the work has not been completed by this time, the "I" may become a permanent grade.

The following key is listed on the back of all NOC transcripts to further explain the grading system as reflected on the transcript:

### **GRADING SYSTEM**

#### **QUALITY POINTS ARE ASSIGNED AS FOLLOWS:**

|     |                                          |
|-----|------------------------------------------|
| A=4 | Superior                                 |
| B=3 | Good                                     |
| C=2 | Average                                  |
| D=1 | Passing                                  |
| F=0 | Failure                                  |
| P=0 | Pass                                     |
| @   | Course credit not counted for graduation |
| ( ) | Course credit not counted in EARNED      |
| #   | Course forgiven in an academic reprieve  |

#### **NO QUALITY POINTS ARE ASSIGNED AS FOLLOWS:**

|     |                                         |
|-----|-----------------------------------------|
| W   | Withdrawal                              |
| AW  | Administrative Withdrawal               |
| AU  | Audit                                   |
| N   | No Grade                                |
| AS  | Advanced Standing/CLEP                  |
| I   | Incomplete                              |
| %   | Course forgiven not counted in RET/GRAD |
| [ ] | Remedial course counted in NON-DEG only |
| *   | Repeat of a course                      |

Students who are doing unsatisfactory work are notified of their deficiencies after mid-semester, and reports are mailed to the student's mailing address. Every student is required to take a final examination or complete a final project in all subjects in which he/she is enrolled, and tests are given at regular intervals in the various subjects to aid in determining student progress. Semester grades are not mailed to each student. To obtain grades, students may access the NOC Website at [www.noc.edu](http://www.noc.edu). On the NOC main menu, students should click on "Students," then click on "Check your grades online" located in the Campus Connect box. Students must then provide their ID number and PIN to obtain semester grades.

### **HONOR ROLL CRITERIA**

The President's Honor Roll consists of all students who, during the semester, have received an A in all courses attempted, accumulating twelve or more hours during the semester. The Vice President's Honor Roll consists of all students who maintain a B average or above in all courses, accumulating twelve hours or more during the semester. The P grade or O-level courses are not included in the twelve-hour minimum. The honor roll is published at the close of the semester.

## ***Student Academic Assessment***

The Oklahoma State Regents for Higher Education (OSRHE), in efforts to standardize practices in Oklahoma public colleges and universities, mandated that institutions evaluate their students to see if educational objectives are being met to insure future success. The mandate stipulates that students be assessed in four areas or levels: at entry into college; at mid-level of their educational careers; by academic program; and by student satisfaction.

### **ENTRY-LEVEL EVALUATION**

Northern Oklahoma College adheres to the entry-level requirement by evaluating students at entry for placement into either developmental or college-level courses, whichever will lead to the greatest possibility of academic success. Students not meeting state college-preparatory curriculum standards or scoring below the OSRHE established ACT score may challenge their placement by taking secondary placement tests before being enrolled into college-level courses of English, science, math, or those courses with a reading prerequisite.

### **GENERAL EDUCATION**

Students who are at mid-level of their academic careers or who have completed 45 semester credit hours must be tested for competencies in skill areas designated by the state regents, including reading, writing, and mathematics. Northern evaluates general education competencies through embedded assessments in required general education courses. Institutional results for general education competencies are found under the "Academic" link on the website at <http://www.noc.edu/academics>.

### **ACADEMIC PROGRAM**

For all academic programs, learner outcomes are also evaluated through embedded assessments in required courses for the program. A review of these and other measures are used to inform recommendations made by program faculty and division chairs for appropriate changes to be made for improvements in instructional methodology.

### **STUDENT SATISFACTION**

Student satisfaction surveys are emailed to all students in the spring semester. In addition, in alternate years, Northern Oklahoma College utilizes a CCSSE student engagement survey to determine what high impact practices are being used most commonly in courses. Additionally, alumni are asked to complete surveys within a year of graduation and again after two years of graduation. Data obtained from survey results will be used to assess and to improve upon institutional programs and services. Faculty and administrators at Northern Oklahoma College will evaluate their institutional assessment studies annually to make improvements in its procedures.



# Academic Standards

## ACADEMIC PROBATION AND ACADEMIC NOTICE

In compliance with policies mandated by the Oklahoma State Regents, Northern Oklahoma College follows the guidelines below for determining what constitutes academic probation and academic notice. The following passage may be found beginning on page 64 of section 3.9.8.A. at this link in the State Regents' Academic Affairs Procedure Manual: <http://www.okhighered.org/state-system/policy-procedures/2011/AA%20Procedures%20Handbook%20December%202011.pdf>

All students must maintain a 2.0 retention/graduation GPA for the duration of the college experience with the exception of freshmen on academic notice and academic probation. A student will be placed on academic probation if the following requirements are not met:

### CREDIT HOURS ATTEMPTED

0 through 30 semester credit hours  
Greater than 30 semester credit hours

### GPA REQUIREMENT

1.7  
2.0

Students with 30 or fewer credit hours, with a GPA of 1.7 to less than 2.0 will be placed on academic notice. All courses in which a student has a recorded grade will be counted in the calculation of the GPA for retention purposes excluding any courses repeated, reprieved or renewed as detailed in the State Regents' *Grading* policy, remedial/developmental (pre-college) courses, and physical education activity courses.

Any student not maintaining satisfactory progress toward the academic objective as indicated above will be placed on probation for one semester. At the end of that semester, the student must have a semester GPA of 2.0 in regularly-graded course work, not to include activity or performance courses, or meet the minimum GPA standard required above, in order to continue as a student. Students not meeting either of these criteria will be immediately suspended and may not be reinstated until one regular semester (Fall or Spring) has elapsed.

Note: In the language above, "semester GPA" equates to "Term GPA" as indicated on the transcript.

## PROCEDURE FOR ACADEMIC SUSPENSION APPEALS

Any student who is academically suspended from Northern Oklahoma College may appeal the suspension by filing a written petition in the Registrar's Office. The suspended student must demonstrate the following:

- Reasonable cause as to unusual reasons for failure and/or extraordinary personal circumstances;
- Evidence of capabilities for success (Satisfactory scores obtained on an aptitude or achievement test may be required); and
- An objective plan balancing proposed enrollment, study time, and a work schedule which will insure a plan of success toward obtaining an educational and/or degree goal.

The appeals decision will be made by the chief admissions officer, his/her designee, and/or the Academic and Financial Aids Appeals Committee.

## ACADEMIC FORGIVENESS PROVISIONS

Circumstances may justify a student being able to recover from academic problems in ways which do not forever jeopardize his/her academic standing. Northern Oklahoma College utilizes the following forgiveness policies as recommended by the Oklahoma State Regents for Higher Education.

### REPEATED COURSES

A student shall have the prerogative to repeat courses and have only the second grade earned, even if it is lower than the first grade, count in the calculation of the retention/graduation GPA, up to a maximum of four (4) courses, but not to exceed 18 hours, in the courses in which the original grade earned was a D or F. Students repeating courses above the first four courses or 18 credit hours of Ds or Fs repeated may do so with the original grades and repeated grades averaged.

### *ACADEMIC REPRIEVE*

*A student may request an Academic Reprieve consistent with these guidelines:*

1. At least three years must have elapsed between the period in which the grades being requested reprieved were earned and the reprieve request.
2. Prior to requesting Academic reprieve, the student must have earned a GPA of 2.00 or higher with no grade lower than a C in all regularly graded course work (a minimum of 12 hours) excluding activity or performance courses.
3. The request may be for one semester or term of enrollment or two consecutive semester or terms of enrollments. If the reprieve is awarded, all grades and hours during the enrollment period are included. If a student's request is for two consecutive semesters, Northern may choose to reprieve only one semester.
4. The student must petition for consideration of Academic reprieve in writing to the Registrar's Office; and
5. All courses remain on the student's transcript, but are not calculated in the student's retention/graduation GPA. Course work with a passing grade included in a reprieved semester may be used to demonstrate competency in the subject matter. However, the course work may not be used to fulfill credit hour requirements.

### *ACADEMIC RENEWAL*

*A student may request an Academic Renewal consistent with these guidelines:*

1. At least five (5) years must have elapsed between the last semester being renewed and the renewal request.
2. Prior to requesting Academic Renewal, the student must have earned a GPA of 2.00 or higher with no grade lower than a C in all regularly graded course work (a minimum of 12 hours) excluding activity or performance courses.
3. The request will be for all courses completed before the date specified in the request for renewal.
4. The student must petition for consideration of Academic Renewal in writing to the Registrar's Office.
5. All courses remain on the student's transcript, but are not calculated in the student's retention/graduation GPA. Neither the content nor credit hours of renewed course work may be used to fulfill any degree or graduation requirements.

# Student Life

## *Student Clubs and Organizations*

Northern Oklahoma College has a large number of student organizations on the campus which represent many fields of interest. While students should be primarily concerned with academic work, becoming involved in campus life can allow for a richer college experience. A complete listing of current clubs and organizations can be found on the Northern website at the following link or by clicking on “Students,” “Current Students” or “Future Students,” “Campus Life” and “Student Clubs and Organizations”: <http://northok.publishpath.com/student-clubs>

## *Residential Life*

All freshmen students (with the exception of commuting students living at home or students enrolled in the NOC-OSU Gateway Program in Stillwater) who are unmarried and under 21 years of age are required to live on campus. In addition, all students who are on participation scholarships are required to live in resident housing regardless of freshman or sophomore classification. Northern Oklahoma College offers seven residence halls on the Tonkawa campus and three residence halls on the Enid campus; in both Tonkawa and Enid, students can choose from a seven-day meal plan, five-day meal plan, or 200-block meal plan. The permanent residence of a student is that of his/her parents or guardian unless the student can show reason why that residence should not be so defined. Students in doubt should request clarification by contacting the Dean of Students in advance of registration. Residence Hall applications can be found on the NOC website at the following link or by clicking on “Students,” “Current Students” or “Future Students,” and “Residence Hall Life”: <http://www.noc.edu/housing1>.

# Student Expenses, Financial Aid, and Scholarships

## *Expenses*

Tuition and fees at all institutions of higher education in Oklahoma are approved by the Oklahoma State Regents for Higher Education and are subject to change without notice. In the event that a tuition increase is approved, students will be assessed the additional amount and be given the option of making payment or making a complete withdrawal with a 100% refund (if applicable). The deadline for withdrawal is 5:00 p.m. Friday of the second week of the semester, except in summer. For a complete list of tuition and fees, please contact the Office of Financial Affairs and/or refer to the cost matrix on the following page of the catalog. Check after July 1 for current year expenses.

### **AUDITORS**

A regularly enrolled student may enroll as an auditor in any class at the time of enrollment. Although no credit will be registered for auditors, audit enrollment will show on the student record. The regular fees for the courses will be charged in each instance. Any student enrolled as an auditor is expected to maintain regular class attendance in the course.

### **ENROLLMENT BILLING**

Students will be billed for tuition and fees prior to the beginning of the semester. Statements are available for viewing online at myNOC. For tuition and fees due dates and information about payment and payment options, please visit the NOC Bursar website at: [www.noc.edu/bursar](http://www.noc.edu/bursar).

### **HOUSING AND FOOD SERVICES**

Comfortable and convenient living quarters are available on campus: Easterling and Threlkeld Halls for women; and Markley, Bush-Duvall, and Boehme Halls for men on the Tonkawa campus and one wing each for women and men in EB Hall, Lankard Hall for women, and Elliott-Goulter Apartments on the Enid campus. In 2016, new residence halls opened—Mavericks Hall in Tonkawa and Jets Hall in Enid, both offering wings for men and women residents. A residence hall application must be completed and returned, along with a room deposit, to the Office of Student Affairs. Room assignments are made in the Office of Student Affairs. The room deposit is non-refundable. Students in the NOC/OSU Gateway Program are eligible to reside in OSU housing when space is available. All NOC students, unless 21 years of age or married, are required to live in college housing. Students are not bound by this rule if they are commuting from their parents' or guardians' home. Food services are catered in the Maverick Cafeteria at Tonkawa and in the Jets Cafeteria at Enid. All students living in a residence hall must purchase a 5-day, 7-day, or 200-block meal plan. Students who do not live in the residence halls may purchase meals in the cafeteria on a cash basis daily or pre-purchase meals with a punch-card ticket.

### **FEE PAYMENT**

The total tuition and fees for which the student is responsible will be calculated based on the number of enrolled credit hours at the end of the Drop Period. A student who drops a class after this date must still pay full tuition and fees for the course. The college tuition and fee schedule is authorized by the Oklahoma Legislature and implemented by the policy of The Oklahoma State Regents for Higher Education. The college will accept cash, check or payment by debit card with PIN number, or online with Discover, VISA, or MasterCard for tuition and fee payment. For payment plan options, the college offers an interest-free monthly payment plan through FACTS Management Co. For information on payment deadlines or full online payment or payment plans please visit the NOC payment plan website at: [www.mycollegepaymentplan.com/noc](http://www.mycollegepaymentplan.com/noc).

All students should verify tuition and fees after July 1 of each year to ensure the most current rates have posted. For the 2017-2018 academic year, the following tuition rates and fees will apply:

## 2017-2018 Cost Comparison

### Resident Tuition & Fees

#### ***COST PER CREDIT HOUR\****

#### ***TONKAWA CAMPUS***

Tuition \$ 88.00 per hour  
Fees \$ 40.85 per hour  
**Total \$128.85 per hour**

#### ***ENID CAMPUS***

Tuition \$ 88.00 per hour  
Fees \$ 53.85 per hour  
**Total \$141.85 per hour**

#### ***OTHER LOCATIONS***

Tuition \$ 88.00 per hour  
Fees \$ 60.00 per hour  
**Total \$148.00 per hour**

#### ***UNIVERSITY CENTER – PONCA***

Tuition \$ 85.00 per hour  
Fees \$ 87.83 per hour  
**Total \$175.83 per hour**

#### ***INTERNET COURSES***

Tuition \$ 88.00 per hour  
Fees \$105.20 per hour  
**Total \$193.20 per hour**

#### ***NOC/OSU GATEWAY***

Tuition \$ 88.00 per hour  
Fees \$261.15 per hour  
**Total \$349.15 per hour**

## 2017-2018 Cost Comparison

### Non-Resident Tuition & Fees

#### ***COST PER CREDIT HOUR\****

#### ***TONKAWA CAMPUS***

Tuition \$292.00 per hour  
Fees \$ 40.85 per hour  
**Total \$332.85 per hour**

#### ***ENID CAMPUS***

Tuition \$292.00 per hour  
Fees \$ 53.85 per hour  
**Total \$345.85 per hour**

#### ***OTHER LOCATIONS***

Tuition \$292.00 per hour  
Fees \$ 60.00 per hour  
**Total \$352.00 per hour**

#### ***UNIVERSITY CENTER – PONCA***

Tuition \$292.00 per hour  
Fees \$ 87.83 per hour  
**Total \$379.83 per hour**

#### ***INTERNET COURSES***

Tuition \$292.00 per hour  
Fees \$105.20 per hour  
**Total \$397.20 per hour**

#### ***NOC/OSU GATEWAY***

Tuition \$292.00 per hour  
Fees \$548.40 per hour  
**Total \$850.40 per hour**

\*Additional class fees or program fees are not included in the charts above but are listed on the following pages.

## Northern Oklahoma College

### Tuition and Fees for 2017-2018

#### ***TONKAWA CAMPUS***

|                                             |                  |                        |
|---------------------------------------------|------------------|------------------------|
| Resident Tuition                            | \$ 88.00         | per credit hour        |
| Student Activity Fee                        | \$ 13.00         | per credit hour        |
| Student Technology Services Fee             | \$ 6.15          | per credit hour        |
| Student Union Fee                           | \$ 3.00          | per credit hour        |
| Campus Renovation Fee                       | \$ 4.00          | per credit hour        |
| Library Resources Fee                       | \$ 3.00          | per credit hour        |
| Assessment Fee                              | \$ 2.00          | per credit hour        |
| Student Safety, Health, & Wellness Fee      | \$ 2.25          | per credit hour        |
| Student Government Fee                      | \$ 0.15          | per credit hour        |
| I.D. Fee                                    | \$ 0.45          | per credit hour        |
| Records Management Fee                      | \$ 4.35          | per credit hour        |
| Student Accident Shield Fee                 | \$ 2.50          | per credit hour        |
| <b>Total Resident Tuition &amp; Fees</b>    | <b>\$ 128.85</b> | <b>per credit hour</b> |
| Nonresident Tuition                         | \$ 204.00        | per credit hour        |
| <b>Total Nonresident Tuition &amp; Fees</b> | <b>\$ 332.85</b> | <b>per credit hour</b> |

#### ***ENID CAMPUS***

|                                             |                  |                        |
|---------------------------------------------|------------------|------------------------|
| Resident Tuition                            | \$ 88.00         | per credit hour        |
| Student Activity Fee                        | \$ 13.00         | per credit hour        |
| Student Technology Services Fee             | \$ 6.15          | per credit hour        |
| Student Union Fee                           | \$ 3.00          | per credit hour        |
| Campus Renovation Fee                       | \$ 4.00          | per credit hour        |
| Library Resources Fee                       | \$ 3.00          | per credit hour        |
| Enid Campus Fee                             | \$ 13.00         | per credit hour        |
| Assessment Fee                              | \$ 2.00          | per credit hour        |
| Student Safety, Health, & Wellness Fee      | \$ 2.25          | per credit hour        |
| Student Government Fee                      | \$ 0.15          | per credit hour        |
| I.D. Fee                                    | \$ 0.45          | per credit hour        |
| Records Management Fee                      | \$ 4.35          | per credit hour        |
| Student Accident Shield Fee                 | \$ 2.50          | per credit hour        |
| <b>Total Resident Tuition &amp; Fees</b>    | <b>\$ 141.85</b> | <b>per credit hour</b> |
| Nonresident Tuition                         | \$ 204.00        | per credit hour        |
| <b>Total Nonresident Tuition &amp; Fees</b> | <b>\$ 345.85</b> | <b>per credit hour</b> |



# Northern Oklahoma College

## Tuition and Fees for 2017-2018

### **STILWATER CAMPUS**

|                                             |                  |                        |
|---------------------------------------------|------------------|------------------------|
| Resident Tuition                            | \$ 88.00         | per credit hour        |
| Student Technology Services Fee             | \$ 10.00         | per credit hour        |
| Information Technology Infrastructure Fee   | \$ 5.15          | per credit hour        |
| Academic Records Fee                        | \$ 4.35          | per credit hour        |
| Advising & Assessment Fee                   | \$ 10.85         | per credit hour        |
| Student Facility Fee #1                     | \$ 5.45          | per credit hour        |
| Academic Facilities                         | \$ 23.85         | per credit hour        |
| Academic Excellence Fee #1                  | \$ 9.75          | per credit hour        |
| Academic Excellence Fee #2                  | \$ 5.75          | per credit hour        |
| Student Activity Fee                        | \$ 2.50          | per credit hour        |
| Student Activity Fee – Athletic             | \$ 5.50          | per credit hour        |
| Student Facility Fee #2 – Campus Recreation | \$ 3.00          | per credit hour        |
| Student Health Fee                          | \$ 5.00          | per credit hour        |
| Parking and/or Transit Fee                  | \$ 2.50          | per credit hour        |
| Student Newspaper Fee                       | \$ 0.30          | per credit hour        |
| Student Technology Services Fee – General   | \$ 5.00          | per credit hour        |
| Library Automation & Technology Fee         | \$ 17.00         | per credit hour        |
| Student Development Fee                     | \$ 2.05          | per credit hour        |
| OSU Student Union Fee                       | \$ 4.70          | per credit hour        |
| Life, Safety, & Security Fee                | \$ 5.55          | per credit hour        |
| Academic Excellence Program Fee             | \$ 37.90         | per credit hour        |
| Campus Infrastructure Fee                   | \$ 10.00         | per credit hour        |
| Off Campus Supplemental Fee                 | \$ 85.00         | per credit hour        |
| <b>Total Resident Tuition &amp; Fees</b>    | <b>\$ 349.15</b> | <b>per credit hour</b> |
| Nonresident Tuition                         | \$ 204.00        | per credit hour        |
| Nonresident Off Campus Supplemental Fee     | \$ 297.25        | per credit hour        |
| <b>Total Nonresident Tuition &amp; Fees</b> | <b>\$ 345.85</b> | <b>per credit hour</b> |

## Northern Oklahoma College

### Tuition and Fees for 2017-2018

#### **INTERNET CLASSES**

|                                             |                           |
|---------------------------------------------|---------------------------|
| Resident Tuition                            | \$ 88.00 per hour         |
| Internet Class Fee                          | \$ 105.20 per hour        |
| <b>Total Resident Tuition &amp; Fees</b>    | <b>\$ 193.20 per hour</b> |
| Nonresident Tuition                         | \$ 204.00 per hour        |
| <b>Total Nonresident Tuition &amp; Fees</b> | <b>\$ 397.20 per hour</b> |

#### **OFF-SITE CONCURRENT AND EDUCATION CENTERS**

|                                             |                           |
|---------------------------------------------|---------------------------|
| Resident Tuition                            | \$ 88.00 per hour         |
| Internet Class Fee                          | \$ 60.00 per hour         |
| <b>Total Resident Tuition &amp; Fees</b>    | <b>\$ 148.00 per hour</b> |
| Nonresident Tuition                         | \$ 204.00 per hour        |
| <b>Total Nonresident Tuition &amp; Fees</b> | <b>\$ 352.00 per hour</b> |

#### **OFF-SITE CONCURRENT AND EDUCATION CENTERS**

|                                             |                           |
|---------------------------------------------|---------------------------|
| Resident Tuition                            | \$ 88.00 per hour         |
| UC Facility Fee                             | \$ 27.83 per hour         |
| Course Delivery Fee                         | \$ 60.00 per hour         |
| <b>Total Resident Tuition &amp; Fees</b>    | <b>\$ 175.83 per hour</b> |
| Nonresident Tuition                         | \$ 204.00 per hour        |
| <b>Total Nonresident Tuition &amp; Fees</b> | <b>\$ 379.83 per hour</b> |

#### **OTHER FEES**

|                                       | <b>FREQUENCY</b> | <b>FALL 2017</b> | <b>SPRING 2018</b> |
|---------------------------------------|------------------|------------------|--------------------|
| NOC/OSU I.D. Fee                      | One Time Fee     | \$ 17.00         | \$ 17.00           |
| UC Security/Badge Fee                 | Per Semester     | \$ 20.00         | \$ 20.00           |
| Remedial Fee – Tonkawa & Enid         | Per Credit Hour  | \$ 13.00         | \$ 13.00           |
| Remedial Fee – NOC/OSU Gateway        | Per Credit Hour  | \$ 24.00         | \$ 24.00           |
| Corequisite Lab Fee                   | Per Credit Hour  | \$ 25.00         | \$ 25.00           |
| International Student Maintenance Fee | Per Semester     | \$ 50.00         | \$ 50.00           |
| Government Sponsored Student Program  | Per Semester     | \$500.00         | \$500.00           |

## Class/Lab Fees Tonkawa

| <b>4-LETTER<br/>COURSE<br/>CODE</b> | <b>COURSE TITLE</b>                             | <b>FREQUENCY OF FEE</b>    | <b>FALL 2017</b> | <b>SPRING 2017</b> |
|-------------------------------------|-------------------------------------------------|----------------------------|------------------|--------------------|
| ACCT                                | Accounting II 2203 (including Internet Classes) | Per Course                 | \$ 18.00         | \$ 18.00           |
| AGRI                                | Introduction to Plant Science Lab               | Per Course                 | \$ 40.00         | \$ 40.00           |
|                                     | Introduction to Soil Science Lab                | Per Course                 | \$ 40.00         | \$ 40.00           |
| ART                                 | Ceramics I & II & III                           | Per Course                 | \$ 70.00         | \$ 70.00           |
|                                     | Drawing I & II                                  | Per Course                 | \$ 70.00         | \$ 70.00           |
|                                     | Fundamentals of Two-Dimensional Art             | Per Course                 | \$ 70.00         | \$ 70.00           |
|                                     | Fundamentals of Three-Dimensional Art           | Per Course                 | \$ 70.00         | \$ 70.00           |
|                                     | Painting I & II                                 | Per Course                 | \$ 70.00         | \$ 70.00           |
| ART                                 | Film Festivals                                  | Per Course                 | \$ 35.00         | \$ 35.00           |
| BISI                                | Science Labs                                    | Per Course                 | \$ 40.00         | \$ 40.00           |
| CD                                  | Child Development                               | Per Course                 | \$ 15.00         | \$ 15.00           |
| CHEM                                | Science Labs                                    | Per Course                 | \$ 40.00         | \$ 40.00           |
| CRMJ                                | Crime Scene Photography                         | Per Course                 | \$ 25.00         | \$ 25.00           |
| DMI                                 | Freshman Classes                                | Per Course                 | \$ 50.00         | \$ 50.00           |
|                                     | Sophomore Classes                               | Per Course                 | \$ 75.00         | \$ 75.00           |
|                                     | DMI Seminars                                    | Per Course                 | \$ 15.00         | \$ 15.00           |
| ENGL                                | Honors English-Background Testing               | Per Course                 | \$ 20.00         | \$ 20.00           |
| ESCI                                | Science Labs                                    | Per Course                 | \$ 40.00         | \$ 40.00           |
| HPEA                                | Beginning Golf                                  | Per Course                 | \$ 30.00         | \$ 30.00           |
|                                     | Beginning Bowling                               | Per Course                 | \$ 65.00         | \$ 65.00           |
|                                     | Outdoor Recreation                              | Per Course                 | \$ 30.00         | \$ 30.00           |
|                                     | Scuba                                           | Per Course                 | \$225.00         | \$225.00           |
|                                     | First Aid Course                                | Per Course                 | \$ 40.00         | \$ 40.00           |
| HPET                                | Athletic Training Practicum I                   | Per Course                 | \$ 15.00         | \$ 15.00           |
|                                     | Athletic Training Practicum II                  | Per Course                 | \$ 15.00         | \$ 15.00           |
|                                     | Intro to Personal Training II                   | Per Course                 | \$175.00         | \$175.00           |
| JOUR                                | Available Light                                 | Per Course                 | \$ 15.00         | \$ 15.00           |
|                                     | Advance Photography                             | Per Course                 | \$ 25.00         | \$ 25.00           |
|                                     | Flash Photography                               | Per Course                 | \$ 15.00         | \$ 15.00           |
|                                     | Landscape Photo Trip                            | Per Course                 | \$ 45.00         | \$ 45.00           |
|                                     | Photography                                     | Per Course                 | \$ 15.00         | \$ 15.00           |
| MUSC                                | Private Lessons                                 | Per Credit Hour            | \$ 85.00         | \$ 85.00           |
|                                     | Semi Private Lessons                            | Per Credit Hour            | \$ 40.00         | \$ 40.00           |
|                                     | Piano I & II                                    | Per Credit Hour            | \$ 40.00         | \$ 40.00           |
| NURS                                | Fundamentals of Nursing-Freshman                | Per Course                 | \$150.00         | \$150.00           |
|                                     | Assessment Technologies Institute               | Per Course                 | \$290.25         | \$290.25           |
|                                     | Adult I – Freshman – Skills Lab                 | Per Course                 | \$150.00         | \$150.00           |
|                                     | Maternal Child – Sophomore                      | Per Course                 | \$100.00         | \$100.00           |
|                                     | Adult II – Sophomore – Skills Lab               | Per Course                 | \$100.00         | \$100.00           |
|                                     | Name Tag Fee                                    | One Time Per Academic Year | \$ 3.00          | \$ 3.00            |
|                                     | Liability Insurance Fee                         | One Time Per Academic Year | \$ 15.00         | \$ 15.00           |
|                                     | Background Testing Fee                          | One Time Per Academic Year | \$ 90.00         | \$ 90.00           |
| PHYS                                | Science Labs                                    | Per Course                 | \$ 40.00         | \$ 40.00           |

## Class/Lab Fees Enid

| <b>4-LETTER<br/>COURSE<br/>CODE</b> | <b>COURSE TITLE</b>                             | <b>FREQUENCY OF FEE</b>    | <b>FALL 2017</b> | <b>SPRING 2017</b> |
|-------------------------------------|-------------------------------------------------|----------------------------|------------------|--------------------|
| ACCT                                | Accounting II 2203 (including Internet Classes) | Per Course                 | \$ 18.00         | \$ 18.00           |
| AGRI                                | Introduction to Plant Science Lab               | Per Course                 | \$ 40.00         | \$ 40.00           |
|                                     | Introduction to Soil Science Lab                | Per Course                 | \$ 40.00         | \$ 40.00           |
| ART                                 | Drawing I & II                                  | Per Course                 | \$ 70.00         | \$ 70.00           |
|                                     | Painting I & II                                 | Per Course                 | \$ 70.00         | \$ 70.00           |
| ASTR                                | Science Labs                                    | Per Course                 | \$ 40.00         | \$ 40.00           |
| BISI                                | Science Labs                                    | Per Course                 | \$ 40.00         | \$ 40.00           |
| BMGT                                | MS Office-Word                                  | Per Course                 | \$ 15.00         | \$ 15.00           |
|                                     | MS Office-Power Point                           | Per Course                 | \$ 15.00         | \$ 15.00           |
| CD                                  | All Child Development                           | Per Course                 | \$ 15.00         | \$ 15.00           |
| CHEM                                | Science Labs                                    | Per Course                 | \$ 40.00         | \$ 40.00           |
| CRMJ                                | Crime Scene Photography                         | Per Course                 | \$ 25.00         | \$ 25.00           |
| ESCI                                | Science Labs                                    | Per Course                 | \$ 40.00         | \$ 40.00           |
| HPEA                                | Beginning Bowling                               | Per Course                 | \$ 65.00         | \$ 65.00           |
|                                     | Cheerleading                                    | Per Course                 | \$ 50.00         | \$ 50.00           |
|                                     | Cardio                                          | Per Course                 | \$ 50.00         | \$ 50.00           |
|                                     | Scuba                                           | Per Course                 | \$225.00         | \$225.00           |
|                                     | First Aid Course                                | Per Course                 | \$ 40.00         | \$ 40.00           |
| HPET                                | Athletic Training Practicum I                   | Per Course                 | \$ 15.00         | \$ 15.00           |
|                                     | Athletic Training Practicum II                  | Per Course                 | \$ 15.00         | \$ 15.00           |
|                                     | Intro to Personal Training II                   | Per Course                 | \$175.00         | \$175.00           |
| JOUR                                | Available Light                                 | Per Course                 | \$ 15.00         | \$ 15.00           |
|                                     | Advance Photography                             | Per Course                 | \$ 25.00         | \$ 25.00           |
|                                     | Flash Photography                               | Per Course                 | \$ 15.00         | \$ 15.00           |
|                                     | Landscape Photo Trip                            | Per Course                 | \$ 45.00         | \$ 45.00           |
|                                     | Photography                                     | Per Course                 | \$ 15.00         | \$ 15.00           |
| MUSC                                | Private Lessons                                 | One Time Per Academic Year | \$ 85.00         | \$ 85.00           |
|                                     | Semi Private Lessons                            | One Time Per Academic Year | \$ 40.00         | \$ 40.00           |
| NURS                                | Fundamentals of Nursing-Freshman                | Per Course                 | \$150.00         | \$150.00           |
|                                     | Assessment Technologies Institute               | Per Course                 | \$290.25         | \$290.25           |
|                                     | Adult I – Freshman – Skills Lab                 | Per Course                 | \$150.00         | \$150.00           |
|                                     | Maternal Child – Sophomore                      | Per Course                 | \$100.00         | \$100.00           |
|                                     | Adult II – Sophomore – Skills Lab               | Per Course                 | \$100.00         | \$100.00           |
|                                     | Name Tag Fee                                    | One Time Per Academic Year | \$ 3.00          | \$ 3.00            |
|                                     | Liability Insurance Fee                         | One Time Per Academic Year | \$ 15.00         | \$ 15.00           |
|                                     | Background Testing Fee                          | One Time Per Academic Year | \$ 90.00         | \$ 90.00           |
| PHSC                                | Science Labs                                    | Per Course                 | \$ 40.00         | \$ 40.00           |
| PHYS                                | Science Labs                                    | Per Course                 | \$ 40.00         | \$ 40.00           |

## *Financial Aid*

Northern requires financial aid and scholarship applicants to submit the Free Application for Federal Student Aid (FAFSA). Students may access the application on the FAFSA website at: [www.fafsa.ed.gov](http://www.fafsa.ed.gov). Application worksheets for financial aid can be secured through the Financial Aid Offices on all campuses. Students may also be requested to submit a federal tax return transcript and verification of untaxed income sources. A package or combination of various financial aid programs can often be secured to meet the needs of the individual student in order that he/she may attend college. Those programs are listed below. Note: The following federal and state programs are subject to continuous change.

### **Federal Programs**

#### **PELL GRANT**

The Pell Grant Award is a grant and, unlike a loan, does not have to be repaid. Pell Grants may range from \$606 to \$5920 per year. Amounts are determined each year by the U.S. Department of Education.

#### **FEDERAL SUPPLEMENTAL EDUCATIONAL OPPORTUNITY GRANT**

A limited number of Supplemental Educational Opportunity Grants have been made available by the Higher Education Act of 1965. These grants are awarded through institutions of higher education to qualified students of exceptional financial need who would not be able to attend college without such aid because of lack of financial means of their own or of their families. Grants are combined with other types of financial aid to the extent necessary to enable the student to meet his/her educational expenses.

#### **FEDERAL WORK-STUDY PROGRAM**

Northern Oklahoma College participates in the federal college work-study program. One of the basic conditions of student eligibility for this program is that the student show demonstrated financial need as determined by the FAFSA information. He/she must be at least a half-time student and be in good standing. A number of student jobs are available. Some community service jobs such as tutoring elementary students are available. Students who may be eligible are urged to contact the Financial Aid Office. The Office of Student Affairs is responsible for job placement.

#### **FEDERAL DIRECT LOANS**

Under this program a student may borrow funds from the U.S. Department of Education. These loans are either Subsidized (interest paid by federal government while the student is enrolled) or Unsubsidized. Under the Subsidized Direct Loan program a dependent freshman student may borrow as much as \$3500 per year. Sophomores may borrow \$4500. In addition, dependent students may borrow up to \$2000 more and independent students may borrow up to \$6000 more under the Unsubsidized Direct Loan program. Interest rates are variable and capped at 6.8 percent. Repayment begins six months after the student has terminated his/her course of study. A part-time student carrying six (6) or more credits may qualify for this program.

#### **PLUS LOANS**

Parents may borrow for each child who is enrolled at least half-time and is a dependent undergraduate student. A borrower must begin repaying a PLUS loan immediately.

#### **VOCATIONAL REHABILITATION SCHOLARSHIP**

The State Board of Education through the Vocational Rehabilitation Division offers payment of tuition and other services to students who have substantial employment handicaps, provided the vocational objective selected by the student has been approved by a representative of the division. Applications for Vocational Rehabilitation from this area should be made to the Vocational Rehabilitation Office through the local Department of Human Services.

#### **OKLAHOMA TUITION AID GRANT PROGRAM**

The OTAG Program is operated by the Oklahoma State Regents for Higher Education. Tuition Grant awards are currently \$1,000 to eligible Oklahoma students who are enrolled full time and \$928 for eligible Oklahoma

students who are part time. All applicants are required to submit the FAFSA and meet the OTAG deadline of March 31st.

### **BUREAU OF INDIAN AFFAIRS**

The Bureau of Indian Affairs (B.I.A.) administers a scholarship grant program to Native Americans whose tribal membership records are maintained. Recipients must have a certificate of degree of Indian blood and have membership in a tribal group served by the BIA. The grants are made for educational purposes. Both financial need and scholastic ability are considered in determining eligibility. To apply for a college grant, one should contact the specific tribal higher education office.

## **Short Term Loans**

Short term loans are available to students attending the Tonkawa and Enid campuses through the Northern Oklahoma College Foundation. These loans can be made to students who are enrolled at least half time (six or more credit hours) and who need short term assistance with tuition, books, fees, or room and board. A student may borrow as much as \$350 for 30 days. Application may be made at the Scholarship Office.

## **Employment**

### **CAMPUS EMPLOYMENT**

These jobs, limited in number, require the performance of certain duties on the campus. Applications may be made at the Office of Student Affairs. Student employment applications can also be found at the "Student Employment" website: <http://northok.publishpath.com/student-employee>.

### **OFF-CAMPUS EMPLOYMENT**

Students interested in off-campus employment should inquire at the Office of Student Affairs.

## **Other Awards**

Other awards are available through:

- War Orphans Education Assistance
- Social Security Benefits
- Veteran Aid

### **STUDENT CONSUMER INFORMATION SERVICES**

A booklet containing current information about student rights and privileges in the student financial aid area is available from the Office of Financial Aid in the Vineyard Library-Administration Building on the Tonkawa campus, the Everest Administration Building on the Enid campus, and in the Administration area of the NOC/OSU Gateway Program on the Stillwater campus. Information includes types of financial help and how to obtain that help. The booklet also provides information on applying for and maintaining financial aid, and appealing decisions made in this area. This information is also available in the NOC Student Handbook, posted online at <http://northok.publishpath.com/student-handbook>.

## ***Institutional/Private Scholarships***

A Northern Oklahoma College education is an excellent investment in your and/or your child's future. The faculty and staff are here to help you understand the various financial aid and scholarship programs that are available and to work individually with those who face financial difficulty during their time at Northern. Overall, approximately sixty percent (60%) of our students receive some type of financial assistance – which includes state, federal and college grants and awards. We are committed to providing the highest level of customer service to our students.

The Northern Oklahoma College institutional scholarship program is divided into two areas: 50% merit-based and 50% need-based. Merit-based scholarship awards recognize and reward excellence to students who have demonstrated exceptional academic achievement or who have demonstrated talent in a participation program, i.e., athletics, fine arts, agriculture/livestock judging and journalism. The following scholarships are funded by



the Oklahoma State Regents for Higher Education, the generosity of the Northern Oklahoma College faculty, staff, alumni and friends, local businesses and civic organizations, and by the Northern Oklahoma College Foundation. These awards are offered each year to qualified students whose participation, academic achievement, and/or leadership efforts merit recognition. For more information about scholarships, scholarship checklist, dates and deadlines, please contact the Institutional Scholarship Office at 580.628.6760, email address: [scholarships@noc.edu](mailto:scholarships@noc.edu) or visit our "Scholarships" website at [www.noc.edu/scholarships](http://www.noc.edu/scholarships).

*Northern Oklahoma College is in compliance with the Age Discrimination Act, Title II of the Americans with Disabilities Amendments Act, Title VI of the Civil Rights Act of 1964, Title IX of the Education Amendments of 1972, Section 504 of the Rehabilitation Act of 1973, the Oklahoma Personnel Act, as well as other legislation dealing with discrimination and harassment for categorically protected students and personnel. The College does not discriminate on the basis of race, color, national origin, sex, disability, genetic information, or age in its programs, services and activities.*

#### **SCHOLARSHIP POLICY AND PROCEDURES:**

1. Not every scholarship is available for award every year. Funding determines availability.
2. While every effort is taken to ensure that the correct information is presented, current NOC policy, State Regents' policy, NOC Foundation policy, state and federal laws, and/or the intent of the donor who established a Foundation scholarship program (as applicable) will override any outdated or erroneous information listed here.
3. To be considered for scholarships, applicants are required to complete the Free Application for Federal Financial Aid (FAFSA) at the FAFSA website: [www.fafsa.ed.gov](http://www.fafsa.ed.gov) (Northern's Title IV Institutional Code is 003162) within 30 days of accepting a scholarship award. Failure to do so may result in scholarship being revoked. NOTE: All financial aid will be primary source of funding education. Best consideration date for financial aid is **December 1**.
4. **PRIORITY DEADLINE.** Applicants applying for the Presidential Leadership Scholarship, the NOC/OSU Gateway Ambassadors Scholarship or the State Regents Academic Scholarship must submit an application by **February 20**. Priority deadline for all other scholarships is February 20 with scholarships awarded to qualified applicants on a first come, first serve basis.
5. To be considered for scholarships, applicants must complete the Institutional Scholarship Application Form at the NOC Scholarships website: [www.noc.edu/scholarships](http://www.noc.edu/scholarships) along with any required additional documentation and submit to the scholarship office by the stated deadline.
6. The scholarship committees on each campus shall determine the recipients for the scholarship awards. The Institutional Scholarship Office shall administer the scholarship awards.
7. Priority will be given to applicants who are an Oklahoma resident, United States citizen or permanent resident.
8. Maximum institutional scholarships may not exceed five (5) full-time academic semesters. This does not include summer courses.
9. To be considered for scholarships, applicants must adhere to the institutional academic standards policies, drug and alcohol policies, student conduct policies, and participation agreements. Failure to comply may result in removal of scholarship award.
10. Scholarship funds will be applied for fall and spring semesters unless otherwise stated. Students who have a remaining scholarship balance within the current academic year and have maintained scholarship retention criteria may use their remaining balance during the summer semester.
11. Some scholarships are not automatically renewable and require that students reapply each academic year. A complete list of scholarships with criteria are available at the "Scholarships" website: [www.noc.edu/scholarships](http://www.noc.edu/scholarships).
12. Any student whose scholarship award has been removed from Northern Oklahoma

College may appeal the removal by filling out the Scholarship Appeal Form and submitting it along with supporting documentation to the Scholarship Office. The appeals decision will be made by the Scholarship Appeals Committee.

13. Scholarship appeals are limited to one year from the start of the semester last enrolled.
14. Recipients on participation scholarships are required to reside in campus housing in accordance with the Statement of College Housing Policy outlined in NOC Student Handbook available on the "Handbook" website: [www.noc.edu/student-handbook](http://www.noc.edu/student-handbook).
15. Showing gratitude is an essential part of receiving a private scholarship. It is important that recipients thank our donors. Upon accepting a private scholarship from the NOC Foundation, students are asked to acknowledge it with a thank you letter submitted to the Institutional Scholarship Office. The NOC Foundation hosts various events to connect scholarship recipients with donors. It is expected that recipients will attend these events.

#### **ADMINISTRATION OF SCHOLARSHIP AWARDS:**

1. Financial Aid: As a condition of this award, the student agrees to apply for federal financial aid within 30 days of signing this form at the FAFSA website: <https://fafsa.ed.gov/>. Failure to apply within 30 days could lead to the loss of this scholarship. State and federal financial aid grants will be the primary source of funding education.
2. Scholarship awards will be reviewed after the Financial Aid Office has determined the student's Cost of Attendance\* budget. If a student receives state and federal financial aid grants, i.e., Pell, SEOG, OTAG, OHLAP, etc. his or her scholarship award will be applied secondary and cannot exceed \$1,000 of the actual student bill for the current semester. Scholarships sent to the college from outside sources will be refunded up to, but not to exceed the Cost of Attendance budget. Loans will be reduced before any other aid sources.
3. Participation sponsors must collaborate with the Scholarship Office prior to making awards to students to assure maximization of resources and to avoid over-award situations resulting in post-notification adjustments. This guideline is intended to maximize the use of all college resources for scholarship and grants, as well as to assure clear and accurate communication with students.

\*Cost of Attendance means the aggregate cost to a student to enroll in a degree program, including tuition, the cost of books, fees, and other related educational expenses, as well as the cost of on- or off-campus room and board.

# Degree Options/General Education Requirements

Northern Oklahoma College's curricula are organized into three general areas: the Arts, the Sciences, and the Applied Sciences. Many of the programs in each area are designed to lead the student toward an associate degree while fulfilling the lower-division course work which is applicable toward a bachelor's degree.

## *Degree Options Philosophy*

The Associate in Arts and the Associate in Science degrees include programs which constitute the first two years of traditional baccalaureate degree programs. The general education requirements for these degrees are explained below. These requirements are in broad fields, and several different courses within each field will satisfy the requirements. Following the explanation of general education is a listing of the program requirements leading to the degree and a suggested course sequence. The philosophy of the Arts and Sciences is reflected in their curricula which are organized and structured to provide the essential post-high school education needed to better prepare the student to function in society. The course sequences are structured to allow a student to sample different areas of knowledge for a general education and to explore more deeply a single academic discipline.

The Associate in Applied Science degree includes programs that are designed to prepare a student for employment upon completion of the degree requirements. Applied science programs have some courses that simultaneously meet both traditional goals and new career goals. All of the courses are college courses and the general education courses, as well as many program courses, will transfer to other colleges should the student decide to change his/her objective and pursue a bachelor's degree. However, many of the individual courses in the career-oriented programs are specially designed to meet occupational goals. While these courses are transferable, they may be considered elective courses by the receiving institution. The philosophy of the Applied Sciences is (1) practical, in the sense that a student is immediately employable upon completion of his/her course work; and (2) fundamental, in that a student has an understanding of the basic concepts of his/her field, enabling the graduate to grow in the chosen profession.

In the Arts and Sciences areas, pre-professional patterns are designed to prepare the student for more advanced work at the four-year college or university. Programs in occupational fields lead to degrees in Associate in Applied Science. These occupational programs are designed to prepare a student for immediate employment upon completion of his/her course work. The majority of these programs lead toward an associate degree upon successful completion of the requirements.

## *Current Degree Programs*

LISTED BELOW BY AREA AND DISCIPLINE ARE THE CURRENT DEGREE PROGRAMS OFFERED AT NORTHERN OKLAHOMA COLLEGE:

### **Associate in Arts Degrees**

- Art
- Child Development
- Communications Mass Communications Option
- Communications—Photography Option
- Criminal Justice Administration
- Education—Elementary Option
- English
- English—Creative Writing Option
- Enterprise Development—Business Administration Option
- Enterprise Development—General Studies Option
- Music
- Music—Music Theatre Option
- Social Science
- Social Science—Behavior Science Option

### **Associate in Science Degrees**

#### ***Agricultural Sciences***

- Agricultural Sciences—Agriculture Business Option
- Agricultural Sciences—Agriculture Communication Option
- Agricultural Sciences—Plant and Soil Science Option
- Agricultural Sciences—Pre-Vet Option

Arts and Sciences—General Studies  
Arts and Sciences—International Studies Option

**Biological Sciences**

Biological Sciences—Pre-Medicine Option  
Biological Sciences—Pre-Pharmacy Option

**Business Administration**

Business Administration—International Business Option  
Business Administration—Management Information Systems Option

**Computer Science, Pre-Professional**

Enterprise Development—Business Administration Option  
Enterprise Development—General Studies Option

**Health, Physical Education, & Recreation**

Health, Physical Education, & Recreation—Athletic Training Option  
Health, Physical Education, & Recreation—Personal Trainer Option

**Mathematics and Physical Science**

Mathematics and Physical Science—Astronomy Option  
Mathematics and Physical Science—Chemistry/Physics Option  
Mathematics and Physical Science—Mathematics Option  
Mathematics and Physical Science—Pre-Engineering Option

**Nursing, Pre-Professional, Pre-Baccalaureate**

**Associate in Applied Science Degrees**

Applied Technology—Military Services Option  
Business Management  
Business Management—Accounting Option  
Business Management—Entrepreneurship Option  
Digital Media Animation and Design (DMAD)  
Engineering and Industrial Technology—Power Generation Option  
Engineering and Industrial Technology—Process Technology Option  
Nursing—Registered Nurse (RN) Option

**Certificates**

Certificate in Administration and Management of Child Care Programs  
Certificate in Practical Nursing

Note: In some instances, students may earn credit through Prior Learning Assessments (e.g. ACE credit for military experience) for programs not fully available at Northern but for which there is faculty expertise to evaluate licensures, certificates, and other measures in which competencies are equivalent to coursework.

## ***Degree Requirements***

Students will be graduated from the college upon having completed 60 credit hours of college courses with a retention/graduation grade-point average of C (2.00); physical activity courses and zero-level courses do not count toward the minimum 60. Per State Regents' policy (3.14.3.E), all students must complete a minimum of 15 hours of residence credit of their associate degree at the institution that awards the degree, exclusive of transfer credit (For complete explanation, please go to the OSHRE website at:

<http://www.okhighered.org/state-system/policy-procedures/2016/Chapter%203-2016.pdf>).

Students graduating from Northern will receive one of the following degrees: Associate in Arts, Associate in Science, or Associate in Applied Science.

To earn a degree, students must complete all of the requirements listed on the degree sheet in the catalog for the year in which they were admitted. Students may change to the requirements of a later version of the degree sheet only if they meet all requirements of the later version.

Degrees will be conferred at regular commencement exercises. Students who expect to graduate in a given semester should request a final degree check from their advisors before that semester begins to ensure all requirements have been met. Application for graduation (no charge) should be made at the Registrar's Office at the time of enrollment for the final semester; filings after April 1 may not be recognized for academic recognitions and publication in the commencement program due to publishing deadlines.

## General Education Requirements

In December 1975, the Oklahoma State Regents for Higher Education adopted a policy which guarantees the community college Associate in Arts or Science graduate acceptance of the lower division courses as meeting lower division general education requirements of bachelor degree programs at state system universities.

Policy standards for associate degrees in Arts and Science include the following:

1. The completion of 60 semester credit hours, exclusive of physical education activity courses or military science courses, with a retention/graduation grade-point average of 2.00.
2. The completion, as a portion of the overall 60 semester credit hours of a basic general education core, of a minimum of 37 semester credit hours which shall include the following:

| <b>SUBJECT AREA:</b>                                                                                                                                                                 | <b>TOTAL HOURS:</b> |
|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|---------------------|
| English Composition                                                                                                                                                                  | 6 hours             |
| American History and American National Government                                                                                                                                    | 6 hours             |
| Science                                                                                                                                                                              | 7-8 hours           |
| <i>(Note: Two science courses, one of which must have a lab.)</i>                                                                                                                    |                     |
| Humanities                                                                                                                                                                           | 6 hours             |
| <i>(Note: Humanities courses chosen from non-performance courses defined as humanities by the institution granting the associate degree.)</i>                                        |                     |
| Mathematics                                                                                                                                                                          | 3 hours             |
| ORNT 1101 Orientation                                                                                                                                                                | 1 hour              |
| BSAD 1113 Digital/Financial Literacy or other computer course                                                                                                                        | 3 hours             |
| <i>(Note: Candidates for the Associate in Arts and Associate in Sciences degrees must either pass one of these two courses or demonstrate proficiency in computer applications.)</i> |                     |
| Other                                                                                                                                                                                | 4-5 hours           |

One course from: Psychology, Social Sciences, Humanities, Foreign Languages, and Natural Sciences. Additional courses may be selected from the above or complete additional hours in Language Arts and Mathematics.

The remaining minimum of 23 semester credit hours of academic work shall be applicable to the student's major objective, including any prerequisite courses necessary for his/her anticipated upper-division program. A majority of such student credit hours should be taken in courses classified as liberal arts and sciences.

The associate degree general education core of 37 semester credit hours listed in item 2 above shall be considered minimal, and each two-year college may, with the approval of the State Regents, develop additional lower-division general education requirements for its own students.

Additional liberal arts and science courses are needed to meet the minimum total of 37 credit hours required in this policy. (The Oklahoma State Regents' policies require a minimum of 40 semester hours of general education for the baccalaureate degree.) Credits earned consistent with the Oklahoma State Regents' Policy "Standards of Education Relating to Advanced Standing Credit" may be used to satisfy the given requirements.

## GENERAL EDUCATION ELECTIVES

The following courses may be counted as general education electives in their respective areas (*note: the course code preceeds each title*):

### BIOLOGICAL SCIENCE

BISI 1114 General Biology  
BISI 1214 Environmental Science  
BISI 1314 General Botany  
BISI 1414 General Zoology

BISI 2104 Human Anatomy  
BISI 2124 Microbiology  
BISI 2204 Human Physiology  
BISI 2214 Human Anatomy and Physiology

### PHYSICAL SCIENCE

ASTR 1014 Astronomy  
ASTR 1523 Planetary Science  
    ASTR 2563 Galaxies and Cosmology  
    CHEM 1014 Concepts in Chemistry  
ASTR 1533 Search for Life  
AVIA 1113 Theory of Flight.  
CHEM 1314 General Chemistry I  
CHEM 1414 General Chemistry II

CHEM 2014 Process Organic Chemistry  
ESCI 1214 Earth Science  
PHSC 1114 General Physical Science  
PHYS 1114 General Physics I  
PHYS 1214 General Physics II  
PHYS 2014 Engineering Physics I  
PHYS 2104 Concepts in Physics  
PHYS 2114 Engineering Physics II

### HUMANITIES

ANTH 2353 General Anthropology  
ART 1103 Introduction to Film and Video  
ART 1113 Art Appreciation  
ART 1203 Art History Survey I  
ART 1303 Art History Survey II  
ENGL 2413 Creative Writing  
GLBL 2113 Global Studies in HUMN  
GLBL 2123 Global Culture and Society  
GLBL 2133 Intro to Intl Bus Cultures  
HIST 1113 History of Ancient World Civilization  
HIST 1223 History of Modern World Civilization  
HIST 1713 History of Eastern Civilization  
HIST 2113 History of Latin American Civilization  
HIST 2213 Native American Culture  
HUMN 1113 World Religions  
HUMN 2113 Ancient Arts and Culture

HUMN 2223 Modern Arts and Culture  
    HUMN 2550 Study Abroad  
    LIT 2113 World Lit Before 1650  
LIT 2223 World Lit Since 1650  
LIT 2413 Introduction to Literature  
    LIT 2543 Survey British Lit. to 1800  
LIT 2653 Survey British Lit. from 1800  
LIT 2773 Survey American Lit. to 1877  
LIT 2883 Survey American Lit. from 1877  
MUSC 1113 Music Appreciation  
PHIL 1113 Introduction to Philosophy  
    PHIL 2213 Ethics  
    PHIL 2223 Business Ethics  
THTR 1223 Introduction to Theatre  
THTR 2713 History of Theatre

Note: Education majors taking the OGET benefit most from ART 1113, HUMN 2113, HUMN 2223, LIT 2413, and MUSC 1113 as these courses cover subject areas on the certification test.

Courses with GLOBL prefix are designed primarily for Study Abroad/Military Science options.

Only THREE HOURS of Seminars (ALL DIVISIONS INCLUDED) may be counted for Graduation; for the purpose of this policy, a "seminar" is defined as a class in which a pass/fail grade is issued rather than a letter grade of A-F.

In the 2008-2009 academic year, the General Education Assessment Committee, also recommended that each Northern graduate should meet the competency of "awareness of diversity issues in a multicultural society." This competency can be met if students choose one of their two required 3-credit hour humanities courses from the following list of approved courses (*note: the course code precedes each title*).

ART 1113 Art Appreciation  
GLBL 2113 Global Studies in Humanities  
GLBL 2123 Global Culture and Society  
GLBL 2133 Intro to Intl Business Cultures  
GLBL 2143 Intro to Global Political Issues  
HIST 1113 History of Ancient World Civilization  
HIST 1223 History of Modern World Civilization  
HIST 1713 History of Eastern Civilization  
HIST 2113 History of Latin American Civilization

HUMN 1113 World Religions  
HUMN 2113 Ancient Arts and Culture  
HUMN 2223 Modern Arts and Culture  
HUMN 2550 Study Abroad  
LIT 2113 World Lit Before 1650  
LIT 2223 World Lit Since 1650  
MUSC 1113 Music Appreciation  
POLI 2113 Comparative Politics



## **COURSE FORMATS**

The following definitions describe existing modes of delivery for courses offered at Northern Oklahoma College:

*Traditional* A class is considered “traditional” when instruction relies solely upon face-to-face instruction with 800 minutes of seat time per credit hour issued—e.g. 50 minutes of a class meeting 3 times a week for 16 weeks, 75 minutes of a class meeting 2 times a week for 16 weeks, or 150 minutes of a class meeting 1 time a week for 16 weeks. Unless otherwise listed, all courses in the class schedule are traditional.

*Hybrid* A hybrid class represents a mixture of traditional and online elements with a minimum of 65% face-to-face instructional time and the use of a Learning Management System (e.g. Blackboard) as a supplement for either synchronous or asynchronous learning with the expectation of student interaction with other students and the teacher.

*Online* An online class is one in which 75% or more of the instruction occurs through the use of a Learning Management System such as Blackboard. Learning in an online course may be both synchronous and asynchronous but with internal deadlines requiring students to log in a minimum average of once a week.

Note: All online courses at Northern require students to take one proctored exam to authenticate identity of students enrolled in distance education. Students may test at any Northern campus testing site—the Enid location, the Stillwater location, or the Tonkawa campus—or at another official testing site (e.g. a university in another community) if pre-approved by the instructor. Testing fees may apply for testing sites other than the three Northern locations listed--normally averaging \$20-30 per test session.

*ITV*: Interactive television courses—delivery might be traditional, web-enhanced, or hybrid.

*Supervised Study*: Project-based courses allowing students opportunity to investigate topics in depth not covered in other coursework. All supervised study courses must have prior approval from the Division Chair and Academic Affairs with submission of a syllabus to clarify meeting times required, whether face-to-face or online, and assignments.

*Arranged*: Individualized instruction used to meet program requirements for graduation—i.e. a private voice or music lesson or program course out of sequence for the student’s timely completion of degree. Any course taught by arrangement must be approved by the instructor, division chair, and Vice President for Academic Affairs. Only courses required for the degree program and not scheduled in the current year will be considered for arrangement. No course being repeated may be taken by arrangement. A student may appeal to the Office of Academic Affairs in the event of a special situation not covered by the preceding guidelines.



**NORTHERN**  
Oklahoma College  
TONKAWA | ENID | STILLWATER

## **Associate in Arts Degrees**

*(INDIVIDUAL DEGREE SHEETS FOLLOW LISTING BELOW)*

- Art
- Child Development
- Communications—Mass Communications Option
- Communications—Photography Option
- Criminal Justice Administration
- Education—Elementary Education Option
- English
- English—Creative Writing Option
- Enterprise Development—Business Administration Option
- Enterprise Development—General Studies Option
- Music
- Music—Music Theatre Option
- Social Science
- Social Science—Behavioral Science Option

## **Certificates**

*(INDIVIDUAL DEGREE SHEET FOLLOWS LISTING BELOW)*

- Certificate in Administration and Management of Child Care Programs

**ART**

(Note: Program requirements for this degree are offered on NOC Tonkawa campus only.

At the beginning of each course listing, the four letter abbreviation indicates the department and the four digits indicate the course code used for enrollment. The total course hour value follows each.)

| PROGRAM REQUIREMENTS                                                                                                                       |                 | SUGGESTED COURSE SEQUENCE                                                                                                                       |                | The degree requirements listed are designed for easy transfer into a four-year university. It would be in the interest of the student to consult with the college or university catalog curriculum to ensure an easy transfer. Careful selection of courses that will meet all requirements for both the Associate and Baccalaureate degree programs will benefit the student.                                                                                                                                                                                                                                                                                                           |
|--------------------------------------------------------------------------------------------------------------------------------------------|-----------------|-------------------------------------------------------------------------------------------------------------------------------------------------|----------------|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
|                                                                                                                                            | Credit Hours    |                                                                                                                                                 | Credit Hours   |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          |
| <b>GENERAL EDUCATION COURSES</b>                                                                                                           | 37 TOTAL HOURS  | <b>FIRST SEMESTER</b>                                                                                                                           | 16 TOTAL HOURS | Professional faculty and spacious, well-equipped art studios enable the student to pursue a career in the visual arts. Students will study painting, sculpture, drawing, ceramics, design, color theory, and art history.                                                                                                                                                                                                                                                                                                                                                                                                                                                                |
| <b>ENGLISH COMPOSITION COURSES</b>                                                                                                         |                 | ENGL 1113 English Composition I                                                                                                                 | 3 hours        |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          |
| ENGL 1113 English Composition I                                                                                                            | 3 hours         | MATH 1493 Math Applications                                                                                                                     | 3 hours        | Career Opportunities                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     |
| ENGL 1213 English Composition II                                                                                                           | 3 hours         | (OR) MATH 1513 College Algebra                                                                                                                  | 3 hours        |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          |
| <b>HISTORY AND GOVERNMENT COURSES</b>                                                                                                      |                 | ORNT 1101 Freshman Orientation                                                                                                                  | 1 hour         | • <b>Art Business</b>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    |
| HIST 1483 American History to 1877                                                                                                         |                 | ART 1113 Art Appreciation                                                                                                                       | 3 hours        |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          |
| (OR) HIST 1493 American History Since 1877                                                                                                 | 3 hours         | (Humanities elective)                                                                                                                           |                | • <b>Art Education</b>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   |
| POLI 1113 American Government                                                                                                              | 3 hours         | ART 1433 Fundamental of Two-Dimensional Art                                                                                                     | 3 hours        |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          |
| <b>HUMANITIES COURSES</b>                                                                                                                  |                 | ART 2563 Fundamentals of Three-Dimensional Art                                                                                                  | 3 hours        | • <b>Art Historian</b>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   |
| Electives                                                                                                                                  | 6 hours         | <b>SECOND SEMESTER</b>                                                                                                                          | 15 TOTAL HOURS |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          |
| One 3 hour course to be chosen from those listed with the International Dimension and 3 hours of humanities electives.                     |                 | ENGL 1213 English Composition II                                                                                                                | 3 hours        | • <b>Art Preservation</b>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                |
| <b>MATHEMATICS COURSES</b>                                                                                                                 |                 | HIST 1483 American History to 1877                                                                                                              |                |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          |
| MATH 1493 Math Applications (OR)                                                                                                           |                 | (OR) HIST 1493 American History Since 1877                                                                                                      | 3 hours        | • <b>Art Therapy</b>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     |
| MATH 1513 College Algebra                                                                                                                  | 3 hours         | BSAD 1113 Digital/Financial Literacy                                                                                                            | 3 hours        |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          |
| <b>SCIENCE COURSES</b>                                                                                                                     |                 | ART 2333 Sculpture I                                                                                                                            | 3 hours        | • <b>Book Illustration</b>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               |
| Two Sciences with Lab                                                                                                                      | 8 hours         | ART 1313 Drawing I                                                                                                                              | 3 hours        |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          |
| <b>COMPUTER SCIENCE COURSES</b>                                                                                                            |                 | <b>THIRD SEMESTER</b>                                                                                                                           | 16 TOTAL HOURS | • <b>Commercial Artist</b>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               |
| BSAD 1113 Digital/Financial Literacy (or other approved computer course)                                                                   | 3 hours         | POLI 1113 American Government                                                                                                                   | 3 hours        |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          |
| <b>ORIENTATION COURSES</b>                                                                                                                 |                 | Science Elective                                                                                                                                | 4 hours        | • <b>Gallery Owner</b>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   |
| ORNT 1101 Freshman Orientation                                                                                                             | 1 hour          | Recommended Program Elective                                                                                                                    | 3 hours        |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          |
| <b>GENERAL EDUCATION ELECTIVE COURSES</b>                                                                                                  | 3 hours         | ART 1193 Ceramics I                                                                                                                             | 3 hours        | • <b>Studio Artist</b>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   |
| Select courses from: Language Arts, Natural Sciences, Foreign Languages, Fine Arts, Humanities, Mathematics, Behavioral or Social Sciences |                 | ART 2853 Painting I                                                                                                                             | 3 hours        |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          |
| <b>PROGRAM REQUIREMENT COURSES</b>                                                                                                         | 18 TOTAL HOURS  | <b>FOURTH SEMESTER</b>                                                                                                                          | 13 TOTAL HOURS | NOC evaluates students for placement into either foundational or college-level courses, whichever will lead to the greatest possibility of student success. Academic placement is determined either by A C T test scores or by Accuplacer test scores. These tests are administered in the Testing Center at NOC. Based upon the scores, students may be required to take one or more courses for remediation in English, Math, or Reading, either prior to or concurrent with credit courses. See the NOC testing web page by clicking on the following link: ACT   Northern Oklahoma College ( <a href="http://www.noc.edu/act">http://www.noc.edu/act</a> ) for placement guidelines. |
| ART 1193 Ceramics I                                                                                                                        | 3 hours         | Humanities Elective                                                                                                                             | 3 hours        |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          |
| ART 1313 Drawing I                                                                                                                         | 3 hours         | Science Elective                                                                                                                                | 4 hours        |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          |
| ART 1433 Fundamentals of Two-Dimensional Art                                                                                               | 3 hours         | *Program/Gen Ed Electives (2 courses)                                                                                                           | 6 hours        |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          |
| ART 2333 Sculpture I                                                                                                                       | 3 hours         |                                                                                                                                                 |                |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          |
| ART 2563 Fundamentals of Three-Dimensional Art                                                                                             | 3 hours         |                                                                                                                                                 |                |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          |
| ART 2853 Painting I                                                                                                                        | 3 hours         |                                                                                                                                                 |                |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          |
| Substitutions may be made with prior approval.                                                                                             |                 |                                                                                                                                                 |                |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          |
| <b>RECOMMENDED PROGRAM ELECTIVE COURSES</b>                                                                                                | 5-6 TOTAL HOURS | * Hours from recommended program electives and general education electives in Fine Arts may be combined for final 6 hours required to graduate. |                |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          |
| ART 1203 Art History Survey I (OR)                                                                                                         |                 | This is a suggested sequence timeline only. A student may require more than four semesters to complete an Associate in Arts degree.             |                |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          |
| ART 1303 Art History Survey II                                                                                                             | 3 hours         |                                                                                                                                                 |                |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          |
| ART 1323 Drawing II                                                                                                                        | 3 hours         |                                                                                                                                                 |                |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          |
| ART 2193 Ceramics II                                                                                                                       | 3 hours         |                                                                                                                                                 |                |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          |
| ART 2863 Painting II                                                                                                                       | 3 hours         |                                                                                                                                                 |                |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          |
| ART 2951 Portfolio/Gallery Seminar                                                                                                         | 1 hour          |                                                                                                                                                 |                |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          |
| <b>TOTAL CREDIT HOURS</b>                                                                                                                  | <b>60</b>       |                                                                                                                                                 |                |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          |

**CHILD DEVELOPMENT**

(Note: Program requirements for this degree are offered on NOC Enid, NOC Fountain Square – Stillwater, and NOC Tonkawa campuses.. At the beginning of each course listing, the four letter abbreviation indicates the department and the four digits indicate the course code used for enrollment. The total course hour value follows each.)

| PROGRAM REQUIREMENTS                                                                                                                       |                | SUGGESTED COURSE SEQUENCE                                                     |                | The Associate in Arts degree program in Child Development has been developed to prepare a person to work in the childcare field. A CDA certificate must be submitted to the Registrar in order to receive six hours of college credit from NOC (replacing CD 1023 and 1053 in program requirements). The CDA Certificate, the Certificate of Mastery, and the Certificate of Administration and Management of Child Care Programs can be acquired prior to obtaining the Associate degree or as one obtains the Associate degree. |
|--------------------------------------------------------------------------------------------------------------------------------------------|----------------|-------------------------------------------------------------------------------|----------------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
|                                                                                                                                            | Credit Hours   |                                                                               | Credit Hours   |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   |
| <b>GENERAL EDUCATION COURSES</b>                                                                                                           | 37 TOTAL HOURS | <b>FIRST SEMESTER</b>                                                         | 16 TOTAL HOURS | The program provides the understanding of the emotional, cognitive, physical, and social development of infants through pre-school age, preparing students in the design and implementation of developmentally appropriate curriculum as well as communication, teaching, and guidance.                                                                                                                                                                                                                                           |
| ENGLISH COMPOSITION COURSES                                                                                                                |                | ENGL 1113 English Composition I                                               | 3 hours        |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   |
| ENGL 1113 English Composition I                                                                                                            | 3 hours        | MATH 1493 Math Applications (OR) MATH 1513 College Algebra                    | 3 hours        | The program provides the understanding of the emotional, cognitive, physical, and social development of infants through pre-school age, preparing students in the design and implementation of developmentally appropriate curriculum as well as communication, teaching, and guidance.                                                                                                                                                                                                                                           |
| ENGL 1213 English Composition II                                                                                                           | 3 hours        | ORNT 1101 Freshman Orientation                                                | 1 hour         |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   |
| <b>HISTORY AND GOVERNMENT COURSES</b>                                                                                                      |                | BSAD 1113 Digital/Financial Literacy                                          | 3 hours        | The program provides the understanding of the emotional, cognitive, physical, and social development of infants through pre-school age, preparing students in the design and implementation of developmentally appropriate curriculum as well as communication, teaching, and guidance.                                                                                                                                                                                                                                           |
| HIST 1483 American History to 1877 (OR) HIST 1493 American History Since 1877                                                              | 3 hours        | CD 1023 Introduction to Early Childhood Education                             | 3 hours        |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   |
| POLI 1113 American Government                                                                                                              | 3 hours        | CD 1053 Child Health and Nutrition                                            | 3 hours        | The program provides the understanding of the emotional, cognitive, physical, and social development of infants through pre-school age, preparing students in the design and implementation of developmentally appropriate curriculum as well as communication, teaching, and guidance.                                                                                                                                                                                                                                           |
| <b>HUMANITIES COURSES</b>                                                                                                                  |                | <b>SECOND SEMESTER</b>                                                        | 15 TOTAL HOURS |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   |
| Electives                                                                                                                                  | 6 hours        | ENGL 1213 English Composition II                                              | 3 hours        | The program provides the understanding of the emotional, cognitive, physical, and social development of infants through pre-school age, preparing students in the design and implementation of developmentally appropriate curriculum as well as communication, teaching, and guidance.                                                                                                                                                                                                                                           |
| One 3 hour course to be chosen from those listed with the International Dimension and 3 hours of humanities electives.                     |                | HIST 1483 American History to 1877 (OR) HIST 1493 American History Since 1877 | 3 hours        |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   |
| <b>MATHEMATICS COURSES</b>                                                                                                                 |                | Humanities Electives                                                          | 3 hours        | The program provides the understanding of the emotional, cognitive, physical, and social development of infants through pre-school age, preparing students in the design and implementation of developmentally appropriate curriculum as well as communication, teaching, and guidance.                                                                                                                                                                                                                                           |
| MATH 1493 Math Applications (OR) MATH 1513 College Algebra                                                                                 | 3 hours        | CD 2243 Infant/Toddler Programming                                            | 3 hours        |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   |
| <b>SCIENCE COURSES</b>                                                                                                                     |                | CD 2013 Behavior, Development and Guidance of Children                        | 3 hours        | The program provides the understanding of the emotional, cognitive, physical, and social development of infants through pre-school age, preparing students in the design and implementation of developmentally appropriate curriculum as well as communication, teaching, and guidance.                                                                                                                                                                                                                                           |
| Two Sciences with Lab                                                                                                                      | 8 hours        | <b>THIRD SEMESTER</b>                                                         | 16 TOTAL HOURS |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   |
| <b>COMPUTER SCIENCE COURSES</b>                                                                                                            |                | POLI 1113 American Government                                                 | 3 hours        | The program provides the understanding of the emotional, cognitive, physical, and social development of infants through pre-school age, preparing students in the design and implementation of developmentally appropriate curriculum as well as communication, teaching, and guidance.                                                                                                                                                                                                                                           |
| BSAD 1113 Digital/Financial Literacy (or other approved computer course)                                                                   | 3 hours        | Science Elective                                                              | 4 hours        |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   |
| <b>ORIENTATION COURSES</b>                                                                                                                 |                | Recommended Program Elective                                                  | 6 hours        | The program provides the understanding of the emotional, cognitive, physical, and social development of infants through pre-school age, preparing students in the design and implementation of developmentally appropriate curriculum as well as communication, teaching, and guidance.                                                                                                                                                                                                                                           |
| ORNT 1101 Freshman Orientation                                                                                                             | 1 hour         | CD 2143 Preschool Programming                                                 | 3 hours        |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   |
| <b>GENERAL EDUCATION ELECTIVE COURSES</b>                                                                                                  |                | <b>FOURTH SEMESTER</b>                                                        | 14 TOTAL HOURS | The program provides the understanding of the emotional, cognitive, physical, and social development of infants through pre-school age, preparing students in the design and implementation of developmentally appropriate curriculum as well as communication, teaching, and guidance.                                                                                                                                                                                                                                           |
| Select courses from: Language Arts, Natural Sciences, Foreign Languages, Fine Arts, Humanities, Mathematics, Behavioral or Social Sciences |                | Humanities Elective                                                           | 3 hours        |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   |
| <b>PROGRAM REQUIREMENT COURSES</b>                                                                                                         | 15 TOTAL HOURS | Science Elective                                                              | 4 hours        | The program provides the understanding of the emotional, cognitive, physical, and social development of infants through pre-school age, preparing students in the design and implementation of developmentally appropriate curriculum as well as communication, teaching, and guidance.                                                                                                                                                                                                                                           |
| CD 1023* Introduction to Early Childhood Education                                                                                         | 3 hours        | *Program/Gen Ed Electives (2 courses)                                         | 6 hours        |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   |
| CD 1053* Child Health, Safety, & Nutrition                                                                                                 | 3 hours        |                                                                               |                | The program provides the understanding of the emotional, cognitive, physical, and social development of infants through pre-school age, preparing students in the design and implementation of developmentally appropriate curriculum as well as communication, teaching, and guidance.                                                                                                                                                                                                                                           |
| CD 2243 Infant/Toddler Programming                                                                                                         | 3 hours        |                                                                               |                |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   |
| CD 2143 Preschool Programming                                                                                                              | 3 hours        |                                                                               |                | The program provides the understanding of the emotional, cognitive, physical, and social development of infants through pre-school age, preparing students in the design and implementation of developmentally appropriate curriculum as well as communication, teaching, and guidance.                                                                                                                                                                                                                                           |
| CD 2013 Behavior, Development, and Guidance of Children                                                                                    | 3 hours        |                                                                               |                |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   |
| <b>RECOMMENDED PROGRAM ELECTIVE COURSES</b>                                                                                                | 9 TOTAL HOURS  |                                                                               |                | The program provides the understanding of the emotional, cognitive, physical, and social development of infants through pre-school age, preparing students in the design and implementation of developmentally appropriate curriculum as well as communication, teaching, and guidance.                                                                                                                                                                                                                                           |
| CD 1043 Music, Movement, & Creative Arts                                                                                                   | 3 hours        |                                                                               |                |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   |
| CD 2023 Children with Special Needs                                                                                                        | 3 hours        |                                                                               |                | The program provides the understanding of the emotional, cognitive, physical, and social development of infants through pre-school age, preparing students in the design and implementation of developmentally appropriate curriculum as well as communication, teaching, and guidance.                                                                                                                                                                                                                                           |
| CD 2033 Children's Language Arts and Literature                                                                                            | 3 hours        |                                                                               |                |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   |
| CD 2043 Child & Family in Society                                                                                                          | 3 hours        |                                                                               |                | The program provides the understanding of the emotional, cognitive, physical, and social development of infants through pre-school age, preparing students in the design and implementation of developmentally appropriate curriculum as well as communication, teaching, and guidance.                                                                                                                                                                                                                                           |
| CD 2113 Child Development in the Human Lifespan                                                                                            | 1 hour         |                                                                               |                |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   |
| CD 2313 Adm and Mgmt of Child Care Programs                                                                                                | 3 hours        |                                                                               |                | The program provides the understanding of the emotional, cognitive, physical, and social development of infants through pre-school age, preparing students in the design and implementation of developmentally appropriate curriculum as well as communication, teaching, and guidance.                                                                                                                                                                                                                                           |
| PSYC 2213 Developmental Psychology                                                                                                         | 3 hours        |                                                                               |                |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   |
| * A valid CDA credential may replace CD 1023 and CD 1053 in program requirements.                                                          |                |                                                                               |                | The program provides the understanding of the emotional, cognitive, physical, and social development of infants through pre-school age, preparing students in the design and implementation of developmentally appropriate curriculum as well as communication, teaching, and guidance.                                                                                                                                                                                                                                           |
| Other substitutions may be made with prior approval.                                                                                       |                |                                                                               |                |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   |
| <b>TOTAL CREDIT HOURS</b>                                                                                                                  | 60             |                                                                               |                |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   |

The Associate in Arts degree program in Child Development has been developed to prepare a person to work in the childcare field. A CDA certificate must be submitted to the Registrar in order to receive six hours of college credit from NOC (replacing CD 1023 and 1053 in program requirements). The CDA Certificate, the Certificate of Mastery, and the Certificate of Administration and Management of Child Care Programs can be acquired prior to obtaining the Associate degree or as one obtains the Associate degree.

The program provides the understanding of the emotional, cognitive, physical, and social development of infants through pre-school age, preparing students in the design and implementation of developmentally appropriate curriculum as well as communication, teaching, and guidance.

**Career Opportunities**

- Child Care Center Director
- Child Care Center Master Teacher
- Headstart Staff
- Public School Teacher's Aide

NOC evaluates students for placement into either foundational or college-level courses, whichever will lead to the greatest possibility of student success. Academic placement is determined either by A C T test scores or by Accuplacer test scores. These tests are administered in the Testing Center at NOC. Based upon the scores, students may be required to take one or more courses for remediation in English, Math, or Reading, either prior to or concurrent with credit courses. See the NOC testing web page by clicking on the following link: ACT | Northern Oklahoma College (<http://www.noc.edu/act>) for placement guidelines.

**COMMUNICATIONS MASS COMMUNICATOIN OPTION**

(Note: Program requirements for this degree are offered on NOC Enid and NOC Tonkawa campuses only.

At the beginning of each course listing, the four letter abbreviation indicates the department and the four digits indicate the course code used for enrollment. The total course hour value follows each.)

| PROGRAM REQUIREMENTS                                                                                                                       |                       | SUGGESTED COURSE SEQUENCE                  |                       | The Associate in Arts degree in Mass Communications prepares students to transfer to four-year colleges to pursue the bachelor's degree. The degree is designed to give valuable knowledge and experience in the various fields of the modern media, from radio and television broadcasting to journalism and advertising, offering several real-life opportunities for students to hone their skills. Students have the opportunity to work on the school newspaper, school radio station, or local television studios.                                                                                                                                                                 |
|--------------------------------------------------------------------------------------------------------------------------------------------|-----------------------|--------------------------------------------|-----------------------|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
|                                                                                                                                            | Credit Hours          |                                            | Credit Hours          |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          |
| <b>GENERAL EDUCATION COURSES</b>                                                                                                           | <b>37 TOTAL HOURS</b> | <b>FIRST SEMESTER</b>                      | <b>16 TOTAL HOURS</b> | <b>Career Opportunities</b>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              |
| <b>ENGLISH COMPOSITION COURSES</b>                                                                                                         |                       | ENGL 1113 English Composition I            | 3 hours               |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          |
| ENGL 1113 English Composition I                                                                                                            | 3 hours               | MATH 1493 Math Applications                | 3 hours               | <ul style="list-style-type: none"> <li>• Editor</li> <li>• Information Specialist</li> <li>• Media/Public Relations</li> <li>• News Reporter/Writer</li> <li>• On-Air Broadcast Talent</li> <li>• Photojournalist</li> <li>• Sports Reporter</li> <li>• Teacher</li> <li>• Technical Writer</li> </ul>                                                                                                                                                                                                                                                                                                                                                                                   |
| ENGL 1213 English Composition II                                                                                                           | 3 hours               | (OR) MATH 1513 College Algebra             | 3 hours               |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          |
| <b>HISTORY AND GOVERNMENT COURSES</b>                                                                                                      |                       | ORNT 1101 Freshman Orientation             | 1 hour                | NOC evaluates students for placement into either foundational or college-level courses, whichever will lead to the greatest possibility of student success. Academic placement is determined either by A C T test scores or by Accuplacer test scores. These tests are administered in the Testing Center at NOC. Based upon the scores, students may be required to take one or more courses for remediation in English, Math, or Reading, either prior to or concurrent with credit courses. See the NOC testing web page by clicking on the following link: ACT   Northern Oklahoma College ( <a href="http://www.noc.edu/act">http://www.noc.edu/act</a> ) for placement guidelines. |
| HIST 1483 American History to 1877                                                                                                         |                       | BSAD 1113 Digital/Financial Literacy       | 3 hours               |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          |
| (OR) HIST 1493 American History Since 1877                                                                                                 | 3 hours               | JOUR 1013 Intro to Mass Communications     | 3 hours               |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          |
| POLI 1113 American Government                                                                                                              | 3 hours               | JOUR 1113 Writing for Mass Media           | 3 hours               |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          |
| <b>HUMANITIES COURSES</b>                                                                                                                  |                       | <b>SECOND SEMESTER</b>                     | <b>15 TOTAL HOURS</b> |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          |
| Electives                                                                                                                                  | 6 hours               | ENGL 1213 English Composition II           | 3 hours               |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          |
| One 3 hour course to be chosen from those listed with the International Dimension and 3 hours of humanities electives.                     |                       | HIST 1483 American History to 1877         |                       |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          |
| <b>MATHEMATICS COURSES</b>                                                                                                                 |                       | (OR) HIST 1493 American History Since 1877 | 3 hours               |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          |
| MATH 1483 Math Functions (OR)                                                                                                              |                       | JOUR 2013 Principles of Advertising        | 3 hours               |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          |
| MATH 1513 College Algebra                                                                                                                  | 3 hours               | JOUR 1123 News Reporting and Writing       | 3 hours               |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          |
| <b>SCIENCE COURSES</b>                                                                                                                     |                       | JOUR 1133 Photography                      | 3 hours               |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          |
| Two Sciences with Lab                                                                                                                      | 8 hours               | <b>THIRD SEMESTER</b>                      | <b>15 TOTAL HOURS</b> |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          |
| <b>COMPUTER SCIENCE COURSES</b>                                                                                                            |                       | POLI 1113 American Government              | 3 hours               |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          |
| BSAD 1113 Digital/Financial Literacy                                                                                                       | 3 hours               | Science Elective                           | 4 hours               |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          |
| (or other approved computer course)                                                                                                        |                       | Humanities Elective                        | 3 hours               |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          |
| <b>ORIENTATION COURSES</b>                                                                                                                 |                       | SPCH 1653 Radio Broadcasting               | 3 hours               |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          |
| ORNT 1101 Freshman Orientation                                                                                                             | 1 hour                | JOUR 2240 Publications Practicum           | 2 hours               |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          |
| <b>GENERAL EDUCATION ELECTIVE COURSES</b>                                                                                                  | <b>3 hours</b>        | <b>FOURTH SEMESTER</b>                     | <b>14 TOTAL HOURS</b> |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          |
| Select courses from: Language Arts, Natural Sciences, Foreign Languages, Fine Arts, Humanities, Mathematics, Behavioral or Social Sciences |                       | SPCH 1713 Intro to Oral Communication      | 3 hours               |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          |
| <b>PROGRM REQUIREMENT COURSES</b>                                                                                                          | <b>18 TOTAL HOURS</b> | Humanities Elective                        | 3 hours               |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          |
| JOUR 1013 Intro to Mass Communication                                                                                                      | 3 hours               | Science Elective                           | 4 hours               |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          |
| JOUR 1113 Writing for Mass Media                                                                                                           | 3 hours               | General Education Electives                | 4 hours               |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          |
| JOUR 1123 News Reporting and Writing                                                                                                       | 3 hours               |                                            |                       |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          |
| JOUR 1133 Beginning Photography                                                                                                            | 3 hours               |                                            |                       |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          |
| JOUR 2013 Principles of Advertising                                                                                                        | 3 hours               |                                            |                       |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          |
| SPCH 1653 Radio Broadcasting                                                                                                               | 3 hours               |                                            |                       |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          |
| Substitutions may be made with prior approval.                                                                                             |                       |                                            |                       |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          |
| <b>RECOMMENDED PROGRAM ELECTIVE COURSES</b>                                                                                                | <b>5 TOTAL HOURS</b>  |                                            |                       |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          |
| JOUR 2023 Photojournalism                                                                                                                  | 3 hours               |                                            |                       |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          |
| JOUR 2033 Principles of Public Relations                                                                                                   | 3 hours               |                                            |                       |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          |
| JOUR 2223 Broadcast Journalism                                                                                                             | 3 hours               |                                            |                       |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          |
| JOUR 2240 Publications Practicum                                                                                                           | 2 hours               |                                            |                       |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          |
| SPCH 2123 Television Production                                                                                                            | 3 hours               |                                            |                       |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          |
| SPCH 1713 Intro to Oral Communication                                                                                                      | 3 hours               |                                            |                       |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          |
| SPCH 2020 Speech Activity Participation                                                                                                    | 2 hours               |                                            |                       |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          |
| <b>TOTAL CREDIT HOURS</b>                                                                                                                  | <b>61</b>             |                                            |                       |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          |

**COMMUNICATIONS – PHOTOGRAPHY OPTION**

(Note: Program requirements for this degree are offered on NOC Enid and NOC Tonkawa campuses only.)

At the beginning of each course listing, the four letter abbreviation indicates the department and the four digits indicate the course code used for enrollment. The total course hour value follows each.)

| PROGRAM REQUIREMENTS                                                                                                                       |                 | SUGGESTED COURSE SEQUENCE                                 |                | The Associate in Arts degree in Photography prepares students to transfer to four-year colleges to pursue the bachelor's degree. The degree is designed to give valuable knowledge and experience in the integration of photography and writing skills into the various fields of modern media, offering several real-life opportunities for students to hone their skills                                                                                                                                                                                                                                                                                                               |
|--------------------------------------------------------------------------------------------------------------------------------------------|-----------------|-----------------------------------------------------------|----------------|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
|                                                                                                                                            | Credit Hours    |                                                           | Credit Hours   |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          |
| <b>GENERAL EDUCATION COURSES</b>                                                                                                           | 37 TOTAL HOURS  | <b>FIRST SEMESTER</b>                                     | 16 TOTAL HOURS | <b>Career Opportunities</b>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              |
| <b>ENGLISH COMPOSITION COURSES</b>                                                                                                         |                 | ENGL 1113 English Composition I                           | 3 hours        |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          |
| ENGL 1113 English Composition I                                                                                                            | 3 hours         | MATH 1493 Math Applications                               | 3 hours        | <ul style="list-style-type: none"> <li>• Digital Imaging</li> <li>• Media/Public Relations</li> <li>• News Reporter/Writer</li> <li>• Photographer</li> <li>• Photojournalist</li> <li>• Sports Reporter</li> <li>• Teacher</li> </ul>                                                                                                                                                                                                                                                                                                                                                                                                                                                   |
| ENGL 1213 English Composition II                                                                                                           | 3 hours         | (OR) MATH 1513 College Algebra                            | 3 hours        |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          |
| <b>HISTORY AND GOVERNMENT COURSES</b>                                                                                                      |                 | ORNT 1101 Freshman Orientation                            | 1 hour         | NOC evaluates students for placement into either foundational or college-level courses, whichever will lead to the greatest possibility of student success. Academic placement is determined either by A C T test scores or by Accuplacer test scores. These tests are administered in the Testing Center at NOC. Based upon the scores, students may be required to take one or more courses for remediation in English, Math, or Reading, either prior to or concurrent with credit courses. See the NOC testing web page by clicking on the following link: ACT   Northern Oklahoma College ( <a href="http://www.noc.edu/act">http://www.noc.edu/act</a> ) for placement guidelines. |
| HIST 1483 American History to 1877                                                                                                         |                 | BSAD 1113 Digital/Financial Literacy                      | 3 hours        |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          |
| (OR) HIST 1493 American History Since 1877                                                                                                 | 3 hours         | JOUR 1013 Intro to Mass Communications                    | 3 hours        |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          |
| POLI 1113 American Government                                                                                                              | 3 hours         | JOUR 1113 Writing for Mass Media                          | 3 hours        |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          |
| <b>HUMANITIES COURSES</b>                                                                                                                  |                 | <b>SECOND SEMESTER</b>                                    | 16 TOTAL HOURS |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          |
| Electives                                                                                                                                  | 6 hours         | ENGL 1213 English Composition II                          | 3 hours        |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          |
| One 3 hour course to be chosen from those listed with the International Dimension and 3 hours of humanities electives.                     |                 | HIST 1483 American History to 1877                        |                |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          |
| <b>MATHEMATICS COURSES</b>                                                                                                                 |                 | (OR) HIST 1493 American History Since 1877                | 3 hours        |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          |
| MATH 1493 Math Applications (OR)                                                                                                           |                 | Science Elective                                          | 4 hours        |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          |
| MATH 1513 College Algebra                                                                                                                  | 3 hours         | JOUR 1133 Photography                                     | 3 hours        |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          |
| <b>SCIENCE COURSES</b>                                                                                                                     |                 | JOUR 1123 News Reporting and Writing                      | 3 hours        |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          |
| Two Sciences with Lab                                                                                                                      | 8 hours         | <b>THIRD SEMESTER</b>                                     | 15 TOTAL HOURS |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          |
| <b>COMPUTER SCIENCE COURSES</b>                                                                                                            |                 | POLI 1113 American Government                             | 3 hours        |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          |
| BSAD 1113 Digital/Financial Literacy (or other approved computer course)                                                                   | 3 hours         | Science Elective                                          | 4 hours        |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          |
| <b>ORIENTATION COURSES</b>                                                                                                                 |                 | Humanities Elective                                       | 3 hours        |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          |
| ORNT 1101 Freshman Orientation                                                                                                             | 1 hour          | Program Elective                                          | 2 hours        |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          |
| <b>GENERAL EDUCATION ELECTIVE COURSES</b>                                                                                                  | 3 hours         | JOUR 2023 Photojournalism                                 | 3 hours        |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          |
| Select courses from: Language Arts, Natural Sciences, Foreign Languages, Fine Arts, Humanities, Mathematics, Behavioral or Social Sciences |                 | <b>FOURTH SEMESTER</b>                                    | 13 TOTAL HOURS |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          |
| <b>PROGRM REQUIREMENT COURSES</b>                                                                                                          | 15 TOTAL HOURS  | Humanities Elective                                       | 3 hours        |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          |
| JOUR 1013 Intro to Mass Communication                                                                                                      | 3 hours         | General Education Electives                               | 4 hours        |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          |
| JOUR 1113 Writing for Mass Media                                                                                                           | 3 hours         | JOUR 2113 Digital Imaging                                 | 3 hours        |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          |
| JOUR 1133 Beginning Photography                                                                                                            | 3 hours         | SPCH 1713 Intro to Oral Communications (program elective) | 3 hours        |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          |
| JOUR 2033 Photojournalism                                                                                                                  | 3 hours         |                                                           |                |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          |
| JOUR 2113 Digital Imaging                                                                                                                  | 3 hours         |                                                           |                |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          |
| Substitutions may be made with prior approval.                                                                                             |                 |                                                           |                |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          |
| <b>RECOMMENDED PROGRAM ELECTIVE COURSES</b>                                                                                                | 8-9 TOTAL HOURS |                                                           |                |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          |
| JOUR 1111 Intro to Digital Photography                                                                                                     | 1 hour          |                                                           |                |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          |
| JOUR 1223 Design Technology                                                                                                                | 3 hours         |                                                           |                |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          |
| JOUR 2043 Light and Lighting                                                                                                               | 3 hours         |                                                           |                |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          |
| JOUR 2133 Intermediate Photography                                                                                                         | 3 hours         |                                                           |                |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          |
| JOUR 2143 Advanced Photography                                                                                                             | 3 hours         |                                                           |                |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          |
| SPCH 1713 Intro to Oral Communications                                                                                                     | 3 hours         |                                                           |                |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          |
| Photography weekend seminars or trips                                                                                                      | 1 to 3 hours    |                                                           |                |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          |
| <b>TOTAL CREDIT HOURS</b>                                                                                                                  | 60              |                                                           |                |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          |

This is a suggested sequence timeline only. A student may require more than four semesters to complete an Associate in Arts degree.



**CRIMINAL JUSTICE ADMINISTRATION**

(Note: Program requirements for this degree are offered on NOC Enid and NOC Tonkawa campuses only.)

At the beginning of each course listing, the four letter abbreviation indicates the department and the four digits indicate the course code used for enrollment. The total course hour value follows each.)

| PROGRAM REQUIREMENTS                                                                                                                       |                        | SUGGESTED COURSE SEQUENCE                  |                       | This suggested curriculum includes degree requirements and courses that are usually completed in the first two years of a four-year curriculum. Consult with the university or college of your choice and its catalog curriculum as you make plans on where to transfer. Be careful to select the courses that will meet all requirements for both the Associate and Baccalaureate degree program.                                                                                                                                                                                                                                                                                       |
|--------------------------------------------------------------------------------------------------------------------------------------------|------------------------|--------------------------------------------|-----------------------|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
|                                                                                                                                            | Credit Hours           |                                            | Credit Hours          |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          |
| <b>GENERAL EDUCATION COURSES</b>                                                                                                           | <b>37 TOTAL HOURS</b>  | <b>FIRST SEMESTER</b>                      | <b>16 TOTAL HOURS</b> | <b>Career Opportunities</b>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              |
| ENGLISH COMPOSITION COURSES                                                                                                                |                        | ENGL 1113 English Composition I            | 3 hours               |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          |
| ENGL 1113 English Composition I                                                                                                            | 3 hours                | MATH 1493 Math Applications                | 3 hours               | <ul style="list-style-type: none"> <li>• <b>Business</b></li> <li>• <b>Crime Scene Photographer</b></li> <li>• <b>Education</b></li> <li>• <b>Forensics</b></li> <li>• <b>Law Enforcement</b></li> </ul>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 |
| ENGL 1213 English Composition II                                                                                                           | 3 hours                | (OR) MATH 1513 College Algebra             | 3 hours               |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          |
| <b>HISTORY AND GOVERNMENT COURSES</b>                                                                                                      |                        | ORNT 1101 Freshman Orientation             | 1 hour                | NOC evaluates students for placement into either foundational or college-level courses, whichever will lead to the greatest possibility of student success. Academic placement is determined either by A C T test scores or by Accuplacer test scores. These tests are administered in the Testing Center at NOC. Based upon the scores, students may be required to take one or more courses for remediation in English, Math, or Reading, either prior to or concurrent with credit courses. See the NOC testing web page by clicking on the following link: ACT   Northern Oklahoma College ( <a href="http://www.noc.edu/act">http://www.noc.edu/act</a> ) for placement guidelines. |
| HIST 1483 American History to 1877                                                                                                         |                        | CRMJ 1113 Intro to Criminal Justice        | 3 hours               |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          |
| (OR) HIST 1493 American History Since 1877                                                                                                 | 3 hours                | POLI 1113 American Government              | 3 hours               |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          |
| POLI 1113 American Government                                                                                                              | 3 hours                | SOCI 1113 Principles of Sociology          | 3 hours               |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          |
| <b>HUMANITIES COURSES</b>                                                                                                                  |                        | <b>SECOND SEMESTER</b>                     | <b>15 TOTAL HOURS</b> |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          |
| Electives                                                                                                                                  | 6 hours                | ENGL 1213 English Composition II           | 3 hours               |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          |
| One 3 hour course to be chosen from those listed with the International Dimension and 3 hours of humanities electives.                     |                        | HIST 1483 American History to 1877         |                       |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          |
| Recommended: PHIL 2213 Ethics                                                                                                              |                        | (OR) HIST 1493 American History Since 1877 | 3 hours               |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          |
| <b>MATHEMATICS COURSES</b>                                                                                                                 |                        | BSAD 1113 Digital/Financial Literacy       | 3 hours               |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          |
| MATH 1493 Math Applications (OR)                                                                                                           |                        | CRMJ 1333 Criminal Evidence                | 3 hours               |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          |
| MATH 1513 College Algebra                                                                                                                  | 3 hours                | Recommended Program Elective               | 3 hours               |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          |
| <b>SCIENCE COURSES</b>                                                                                                                     |                        | <b>THIRD SEMESTER</b>                      | <b>16 TOTAL HOURS</b> |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          |
| Two Sciences with Lab                                                                                                                      | 8 hours                | CRMJ 1223 Criminal Law-Admin of Justice    | 3 hours               |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          |
| <b>COMPUTER SCIENCE COURSES</b>                                                                                                            |                        | Science Elective                           | 4 hours               |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          |
| BSAD 1113 Digital/Financial Literacy (or other approved computer course)                                                                   | 3 hours                | Humanities Elective (Ethics recommended)   | 3 hours               |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          |
| <b>ORIENTATION COURSES</b>                                                                                                                 |                        | CRMJ 2233 Juvenile Delinquency             | 3 hours               |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          |
| ORNT 1101 Freshman Orientation                                                                                                             | 1 hour                 | Recommended Program Elective               | 3 hours               |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          |
| <b>GENERAL EDUCATION ELECTIVE COURSES</b>                                                                                                  | <b>3 hours</b>         | <b>FOURTH SEMESTER</b>                     | <b>13 TOTAL HOURS</b> |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          |
| Select courses from: Language Arts, Natural Sciences, Foreign Languages, Fine Arts, Humanities, Mathematics, Behavioral or Social Sciences |                        | Humanities Elective                        | 3 hours               |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          |
| <b>PROGRAM REQUIREMENT COURSES</b>                                                                                                         | <b>15 TOTAL HOURS</b>  | Science Elective                           | 4 hours               |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          |
| CRMJ 1113 Intro to Criminal Justice                                                                                                        | 3 hours                | *Program/Gen Ed Electives (2 courses)      | 6 hours               |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          |
| CRMJ 1223 Criminal Law – Admin of Justice                                                                                                  | 3 hours                |                                            |                       |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          |
| CRMJ 1333 Criminal Evidence                                                                                                                | 3 hours                |                                            |                       |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          |
| CRMJ 2233 Juvenile Delinquency                                                                                                             | 3 hours                |                                            |                       |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          |
| SOCI 1113 Principles of Sociology                                                                                                          | 3 hours                |                                            |                       |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          |
| <b>RECOMMENDED PROGRAM ELECTIVE COURSES</b>                                                                                                | <b>8-9 TOTAL HOURS</b> |                                            |                       |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          |
| CRMJ 1523 Intro to Corrections                                                                                                             | 3 hours                |                                            |                       |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          |
| CRMJ 2113 Criminal Investigation                                                                                                           | 3 hours                |                                            |                       |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          |
| CRMJ 2450 Supervised Studies in CRMJ                                                                                                       | 3 hours                |                                            |                       |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          |
| SPCH 1713 Intro to Oral Comm                                                                                                               | 3 hours                |                                            |                       |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          |
| PSYC 1113 General Psychology                                                                                                               | 3 hours                |                                            |                       |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          |
| PSYC 2213 Intro to Addictive Behaviors                                                                                                     | 3 hours                |                                            |                       |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          |
| SOCI 2223 Social Problems                                                                                                                  | 3 hours                |                                            |                       |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          |
| HPET 1113 Nutrition (OR)                                                                                                                   |                        |                                            |                       |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          |
| 1223 Health, Education, and Wellness (OR) 2212 First Aid                                                                                   | 2-3 hours              |                                            |                       |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          |
| <i>Substitutions may be made with prior approval.</i>                                                                                      |                        |                                            |                       |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          |
| <b>TOTAL CREDIT HOURS</b>                                                                                                                  | <b>60</b>              |                                            |                       |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          |

**EDUCATION – ELEMENTARY OPTION**

(Note: Program requirements for this degree are offered on NOC Enid and NOC Tonkawa campuses only; selected courses at NOC Stillwater. At the beginning of each course listing, the four letter abbreviation indicates the department and the four digits indicate the course code used for enrollment. The total course hour value follows each.)

| PROGRAM REQUIREMENTS                                                                                                                                                                                 |                | SUGGESTED COURSE SEQUENCE                                                                                                                                                                                                                                                                                                                                                                                                                                                                       |                | <b>This suggested curriculum includes degree requirements and courses that are usually completed in the first two years of a four-year curriculum. Consult with the university or college of your choice and its catalog curriculum as you make plans on where to transfer. Be careful to select the courses that will meet all requirements for both the Associate and Baccalaureate degree programs.</b><br><br>The Elementary Education program provides the core courses that develop the foundation for a major field of study, plus general education courses.<br><br><b>Career Opportunities</b><br><ul style="list-style-type: none"> <li>• Teacher</li> <li>• Day Care Employment</li> </ul> |
|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|----------------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|----------------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
|                                                                                                                                                                                                      | Credit Hours   |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 | Credit Hours   |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       |
| <b>GENERAL EDUCATION COURSES</b>                                                                                                                                                                     | 37 TOTAL HOURS | <b>FIRST SEMESTER</b>                                                                                                                                                                                                                                                                                                                                                                                                                                                                           | 17 TOTAL HOURS |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       |
| <b>ENGLISH COMPOSITION COURSES</b>                                                                                                                                                                   |                | ENGL 1113 English Composition I                                                                                                                                                                                                                                                                                                                                                                                                                                                                 | 3 hours        |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       |
| ENGL 1113 English Composition I                                                                                                                                                                      | 3 hours        | MATH 1493 Math Applications                                                                                                                                                                                                                                                                                                                                                                                                                                                                     |                |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       |
| ENGL 1213 English Composition II                                                                                                                                                                     | 3 hours        | (OR) MATH 1513 College Algebra                                                                                                                                                                                                                                                                                                                                                                                                                                                                  | 3 hours        |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       |
| <b>HISTORY AND GOVERNMENT COURSES</b>                                                                                                                                                                |                | ORNT 1101 Freshman Orientation                                                                                                                                                                                                                                                                                                                                                                                                                                                                  | 1 hour         |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       |
| HIST 1483 American History to 1877                                                                                                                                                                   |                | BSAD 1113 Digital/Financial Literacy                                                                                                                                                                                                                                                                                                                                                                                                                                                            | 3 hours        |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       |
| (OR) HIST 1493 American History Since 1877                                                                                                                                                           | 3 hours        | Biological Science                                                                                                                                                                                                                                                                                                                                                                                                                                                                              | 4 hours        |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       |
| POLI 1113 American Government                                                                                                                                                                        | 3 hours        | HPET 1223 Health and Wellness                                                                                                                                                                                                                                                                                                                                                                                                                                                                   | 3 hours        |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       |
| <b>HUMANITIES COURSES</b>                                                                                                                                                                            |                | <b>SECOND SEMESTER</b>                                                                                                                                                                                                                                                                                                                                                                                                                                                                          | 13 TOTAL HOURS |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       |
| Recommended                                                                                                                                                                                          |                | ENGL 1213 English Composition II                                                                                                                                                                                                                                                                                                                                                                                                                                                                | 3 hours        |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       |
| ART 1113 Art Appreciation and MUSC 1113 Music Appreciation                                                                                                                                           | 6 hours        | HIST 1483 American History to 1877                                                                                                                                                                                                                                                                                                                                                                                                                                                              |                |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       |
| <b>MATHEMATICS COURSES</b>                                                                                                                                                                           |                | (OR) HIST 1493 American History Since 1877                                                                                                                                                                                                                                                                                                                                                                                                                                                      | 3 hours        |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       |
| MATH 1493 Math Applications (OR)                                                                                                                                                                     |                | ESCI 1214 Earth Science                                                                                                                                                                                                                                                                                                                                                                                                                                                                         | 3 hours        |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       |
| MATH 1513 College Algebra                                                                                                                                                                            | 3 hours        | SPCH 1713 Intro to Oral Communications                                                                                                                                                                                                                                                                                                                                                                                                                                                          | 3 hours        |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       |
| <b>SCIENCE COURSES</b>                                                                                                                                                                               |                | <b>THIRD SEMESTER</b>                                                                                                                                                                                                                                                                                                                                                                                                                                                                           | 16 TOTAL HOURS |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       |
| Biological Science                                                                                                                                                                                   | 4 hours        | POLI 1113 American Government                                                                                                                                                                                                                                                                                                                                                                                                                                                                   | 3 hours        |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       |
| CHEM 1014 Concepts of Chemistry (OR)                                                                                                                                                                 |                | Science (Gen Ed Elective)                                                                                                                                                                                                                                                                                                                                                                                                                                                                       | 4 hours        |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       |
| CHEM 1314 General Chem I (OR) PHSC 1114 General Physical Science (OR)                                                                                                                                |                | PSYC 1113 General Psychology                                                                                                                                                                                                                                                                                                                                                                                                                                                                    | 3 hours        |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       |
| ESCI 1214 Earth Science                                                                                                                                                                              | 4 hours        | MATH 2233 Elementary Math Structures                                                                                                                                                                                                                                                                                                                                                                                                                                                            | 3 hours        |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       |
| <b>COMPUTER SCIENCE COURSES</b>                                                                                                                                                                      |                | LIT 2413 Intro to Literature                                                                                                                                                                                                                                                                                                                                                                                                                                                                    | 3 hours        |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       |
| BSAD 1113 Digital/Financial Literacy (or other approved computer course)                                                                                                                             | 3 hours        | <b>FOURTH SEMESTER</b>                                                                                                                                                                                                                                                                                                                                                                                                                                                                          | 14 TOTAL HOURS |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       |
| <b>ORIENTATION COURSES</b>                                                                                                                                                                           |                | ART 1113 Art Appreciation (Humanities Elective)                                                                                                                                                                                                                                                                                                                                                                                                                                                 | 3 hours        |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       |
| ORNT 1101 Freshman Orientation                                                                                                                                                                       | 1 hour         | MUSC 1113 Music Appreciation                                                                                                                                                                                                                                                                                                                                                                                                                                                                    | 3 hours        |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       |
| <b>GENERAL EDUCATION ELECTIVE COURSES</b>                                                                                                                                                            | 4 hours        | GEOG 2253 World Regional Geography                                                                                                                                                                                                                                                                                                                                                                                                                                                              | 3 hours        |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       |
| <i>Students are directed to use these elective hours to meet the state-required 12 hours in science for elementary education majors by taking one additional science course from the list above.</i> |                | *Program/Gen Ed Electives (2 courses)                                                                                                                                                                                                                                                                                                                                                                                                                                                           | 5 hours        |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       |
| <b>PROGRAM REQUIREMENT COURSES</b>                                                                                                                                                                   | 18 TOTAL HOURS | This is a suggested sequence timeline only. A student may require more than four semesters to complete an Associate in Arts degree.                                                                                                                                                                                                                                                                                                                                                             |                |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       |
| PSYC 1113 General Psychology                                                                                                                                                                         | 3 hours        | <i>Note: Bachelor's degrees in elementary education in Oklahoma require 12 hours in four ke areas (science, math, social sciences, and English/communications). Students may wish to take extra classes in these areas before transfer; however, courses for transfer, including the RECOMMENDED PROGRAM ELECTIVES are highly dependent upon the program requirements of the institution where the student will be transferring. Not all courses listed are applicable at all institutions.</i> |                |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       |
| SPCH 1713 Intro to Oral Communications                                                                                                                                                               | 3 hours        |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 |                |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       |
| GEOG 2253 World Regional Geography                                                                                                                                                                   | 3 hours        |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 |                |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       |
| HPET 1223 Health and Wellness                                                                                                                                                                        | 3 hours        |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 |                |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       |
| LIT 2413 Intro to Literature                                                                                                                                                                         | 3 hours        |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 |                |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       |
| MATH 2233 Elementary Math Structures                                                                                                                                                                 | 3 hours        |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 |                |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       |
| <b>RECOMMENDED PROGRAM ELECTIVE COURSES</b>                                                                                                                                                          | 5 TOTAL HOURS  |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 |                |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       |
| HPET2212 First Aid                                                                                                                                                                                   | 2 hours        |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 |                |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       |
| Foreign Language                                                                                                                                                                                     | 3 hours        |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 |                |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       |
| ENGL 2233 Eng. Grammar for Educators                                                                                                                                                                 | 3 hours        |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 |                |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       |
| MATH 1233 Probability and Statistics (OR) MATH 2023 Elementary Statistics                                                                                                                            | 3 hours        |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 |                |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       |
| MATH 2243 Geometric Structures                                                                                                                                                                       | 3 hours        |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 |                |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       |
| <i>Substitutions may be made with prior approval.</i>                                                                                                                                                |                |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 |                |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       |
| <b>TOTAL CREDIT HOURS</b>                                                                                                                                                                            | 60             |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 |                |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       |



**ENGLISH**

(Note: Program requirements for this degree are offered on NOC Enid and NOC Tonkawa campuses only.)

At the beginning of each course listing, the four letter abbreviation indicates the department and the four digits indicate the course code used for enrollment. The total course hour value follows each.)

| <b>PROGRAM REQUIREMENTS</b>                                                                                                                |                       | <b>SUGGESTED COURSE SEQUENCE</b>                                                                                                                    |                       | <b>This suggested curriculum includes degree requirements and courses that are usually completed in the first two years of a four-year curriculum. Consult with the university or college of your choice and its catalog curriculum as you make plans on where to transfer. Be careful to select the courses that will meet all requirements for both the Associate and Baccalaureate degree programs.</b>                                                                                                                                                                                                                                                                               |
|--------------------------------------------------------------------------------------------------------------------------------------------|-----------------------|-----------------------------------------------------------------------------------------------------------------------------------------------------|-----------------------|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
|                                                                                                                                            | Credit Hours          |                                                                                                                                                     | Credit Hours          |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          |
| <b>GENERAL EDUCATION COURSES</b>                                                                                                           | <b>37 TOTAL HOURS</b> | <b>FIRST SEMESTER</b>                                                                                                                               | <b>16 TOTAL HOURS</b> | <b>Career Opportunities</b>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              |
| <b>ENGLISH COMPOSITION COURSES</b>                                                                                                         |                       | ENGL 1113 English Composition I                                                                                                                     | 3 hours               |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          |
| ENGL 1113 English Composition I                                                                                                            | 3 hours               | MATH 1493 Math Applications                                                                                                                         | 3 hours               | <b>• Proofing</b>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        |
| ENGL 1213 English Composition II                                                                                                           | 3 hours               | (OR) MATH 1513 College Algebra                                                                                                                      | 3 hours               |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          |
| <b>HISTORY AND GOVERNMENT COURSES</b>                                                                                                      |                       | ORNT 1101 Freshman Orientation                                                                                                                      | 1 hour                | <b>• Publishing</b>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      |
| HIST 1483 American History to 1877                                                                                                         |                       | BSAD 1113 Digital/Financial Literacy                                                                                                                | 3 hours               |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          |
| (OR) HIST 1493 American History Since 1877                                                                                                 | 3 hours               | SPCH 1713 Intro to Oral Communications                                                                                                              | 3 hours               | <b>• Editing</b>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         |
| POLI 1113 American Government                                                                                                              | 3 hours               | LIT 2413 Intro to Literature                                                                                                                        | 3 hours               |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          |
| <b>HUMANITIES COURSES</b>                                                                                                                  |                       | <b>SECOND SEMESTER</b>                                                                                                                              | <b>16 TOTAL HOURS</b> | <b>• Teaching</b>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        |
| Electives                                                                                                                                  | 6 hours               | ENGL 1213 English Composition II                                                                                                                    | 3 hours               |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          |
| One 3 hour course to be chosen from those listed with the International Dimension and 3 hours of humanities electives.                     |                       | HIST 1483 American History to 1877                                                                                                                  |                       | <b>• Writing</b>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         |
| <b>MATHEMATICS COURSES</b>                                                                                                                 |                       | (OR) HIST 1493 American History Since 1877                                                                                                          | 3 hours               |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          |
| MATH 1493 Math Applications (OR)                                                                                                           |                       | Humanities Elective                                                                                                                                 | 3 hours               | <b>• Law School</b>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      |
| MATH 1513 College Algebra                                                                                                                  | 3 hours               | LIT 2543 Survey British Lit to 1800                                                                                                                 | 3 hours               |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          |
| <b>SCIENCE COURSES</b>                                                                                                                     |                       | Science Elective                                                                                                                                    | 4 hours               | <b>• Graduate School</b>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 |
| Two Sciences with Lab                                                                                                                      | 8 hours               | <b>THIRD SEMESTER</b>                                                                                                                               | <b>15 TOTAL HOURS</b> |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          |
| <b>COMPUTER SCIENCE COURSES</b>                                                                                                            |                       | ENGL 2413 Creative Writing                                                                                                                          | 3 hours               | NOC evaluates students for placement into either foundational or college-level courses, whichever will lead to the greatest possibility of student success. Academic placement is determined either by A C T test scores or by Accuplacer test scores. These tests are administered in the Testing Center at NOC. Based upon the scores, students may be required to take one or more courses for remediation in English, Math, or Reading, either prior to or concurrent with credit courses. See the NOC testing web page by clicking on the following link: ACT   Northern Oklahoma College ( <a href="http://www.noc.edu/act">http://www.noc.edu/act</a> ) for placement guidelines. |
| BSAD 1113 Digital/Financial Literacy (or other approved computer course)                                                                   | 3 hours               | Humanities Elective                                                                                                                                 | 3 hours               |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          |
| <b>ORIENTATION COURSES</b>                                                                                                                 |                       | LIT 2653 Survey British Lit. from 1800                                                                                                              | 3 hours               |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          |
| ORNT 1101 Freshman Orientation                                                                                                             | 1 hour                | LIT 2773 Survey American Lit to 1877                                                                                                                | 3 hours               |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          |
| <b>GENERAL EDUCATION ELECTIVE COURSES</b>                                                                                                  | <b>3 hours</b>        | POLI 1113 American Government                                                                                                                       | 3 hours               |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          |
| Select courses from: Language Arts, Natural Sciences, Foreign Languages, Fine Arts, Humanities, Mathematics, Behavioral or Social Sciences |                       | <b>FOURTH SEMESTER</b>                                                                                                                              | <b>13 TOTAL HOURS</b> |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          |
| <b>PROGRAM REQUIREMENT COURSES</b>                                                                                                         | <b>15 TOTAL HOURS</b> | LIT 283 Survey American Lit from 1877                                                                                                               | 3 hours               |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          |
| LIT 2413 Intro to Literature                                                                                                               | 3 hours               | Science Elective                                                                                                                                    | 4 hours               |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          |
| **LIT 2543 Survey to Brit. Lit. to 1800                                                                                                    | 3 hours               | *Program/Gen Ed Electives (2 courses)                                                                                                               | 6 hours               |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          |
| **LIT 2653 Survey to Brit. Lit. from 1800                                                                                                  | 3 hours               |                                                                                                                                                     |                       |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          |
| **LIT 2773 Survey Am. Lit. to 1877                                                                                                         | 3 hours               | * Hours from recommended program electives and general education electives in Language Arts may be combined for final 6 hours required to graduate. |                       |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          |
| **LIT 2883 Survey Am. Lit. from 1877                                                                                                       | 3 hours               | ** These program courses are typically offered only once a year. See course descriptions for fall or spring designations and plan accordingly.      |                       |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          |
| <b>RECOMMENDED PROGRAM ELECTIVE COURSES</b>                                                                                                | <b>8 TOTAL HOURS</b>  | This is a suggested sequence timeline only. A student may require more than four semesters to complete an Associate in Arts degree.                 |                       |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          |
| ENGL 2233 Eng. Grammar for Educators                                                                                                       | 3 hours               |                                                                                                                                                     |                       |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          |
| SPCH 1713 Intro to Oral Communications                                                                                                     | 3 hours               |                                                                                                                                                     |                       |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          |
| JOUR 2240 Publications Practicum                                                                                                           | 1-2 hours             |                                                                                                                                                     |                       |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          |
| ENGL 2413 Creative Writing                                                                                                                 | 3 hours               |                                                                                                                                                     |                       |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          |
| ENGL 2423 Intro to Fiction Writing                                                                                                         | 3 hours               |                                                                                                                                                     |                       |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          |
| ENGL 2433 Intro to Poetry Writing                                                                                                          | 3 hours               |                                                                                                                                                     |                       |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          |
| ENGL 2453 Intro to Creative Nonfiction                                                                                                     | 3 hours               |                                                                                                                                                     |                       |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          |
| LIT 2113 Survey World Lit Before 1650                                                                                                      | 3 hours               |                                                                                                                                                     |                       |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          |
| LIT 2223 Survey World Lit Since 1650                                                                                                       | 3 hours               |                                                                                                                                                     |                       |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          |
| Foreign Language Electives                                                                                                                 | 5 hours               |                                                                                                                                                     |                       |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          |
| <b>TOTAL CREDIT HOURS</b>                                                                                                                  | <b>60</b>             |                                                                                                                                                     |                       |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          |

**ENGLISH – CREATIVE WRITING OPTION**

(Note: Program requirements for this degree are offered on NOC Enid and NOC Tonkawa campuses only.

At the beginning of each course listing, the four letter abbreviation indicates the department and the four digits indicate the course code used for enrollment. The total course hour value follows each.)

| PROGRAM REQUIREMENTS                                                                                                                       |                | SUGGESTED COURSE SEQUENCE                                                                                                                           |                | This suggested curriculum includes degree requirements and courses that are usually completed in the first two years of a four-year curriculum. Consult with the university or college of your choice and its catalog curriculum as you make plans on where to transfer. Be careful to select the courses that will meet all requirements for both the Associate and Baccalaureate degree programs.                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               |
|--------------------------------------------------------------------------------------------------------------------------------------------|----------------|-----------------------------------------------------------------------------------------------------------------------------------------------------|----------------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
|                                                                                                                                            | Credit Hours   |                                                                                                                                                     | Credit Hours   |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   |
| GENERAL EDUCATION COURSES                                                                                                                  | 37 TOTAL HOURS | FIRST SEMESTER                                                                                                                                      | 16 TOTAL HOURS | <b>Career Opportunities</b> <ul style="list-style-type: none"><li>• Proofing</li><li>• Publishing</li><li>• Editing</li><li>• Teaching</li><li>• Writing</li><li>• Law School</li><li>• Graduate School</li></ul><br><br>NOC evaluates students for placement into either foundational or college-level courses, whichever will lead to the greatest possibility of student success. Academic placement is determined either by A C T test scores or by Accuplacer test scores. These tests are administered in the Testing Center at NOC. Based upon the scores, students may be required to take one or more courses for remediation in English, Math, or Reading, either prior to or concurrent with credit courses. See the NOC testing web page by clicking on the following link: ACT   Northern Oklahoma College ( <a href="http://www.noc.edu/act">http://www.noc.edu/act</a> ) for placement guidelines. |
| ENGLISH COMPOSITION COURSES                                                                                                                |                | ENGL 1113 English Composition I                                                                                                                     | 3 hours        |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   |
| ENGL 1113 English Composition I                                                                                                            | 3 hours        | MATH 1493 Math Applications                                                                                                                         | 3 hours        |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   |
| ENGL 1213 English Composition II                                                                                                           | 3 hours        | (OR) MATH 1513 College Algebra                                                                                                                      | 3 hours        |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   |
| HISTORY AND GOVERNMENT COURSES                                                                                                             |                | ORNT 1101 Freshman Orientation                                                                                                                      | 1 hour         |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   |
| HIST 1483 American History to 1877                                                                                                         |                | BSAD 1113 Digital/Financial Literacy                                                                                                                | 3 hours        |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   |
| (OR) HIST 1493 American History Since 1877                                                                                                 | 3 hours        | SPCH 1713 Intro to Oral Communications                                                                                                              | 3 hours        |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   |
| POLI 1113 American Government                                                                                                              | 3 hours        | ENGL 2413 Creative Writing                                                                                                                          | 3 hours        |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   |
| HUMANITIES COURSES                                                                                                                         |                | SECOND SEMESTER                                                                                                                                     | 16 TOTAL HOURS |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   |
| Electives                                                                                                                                  | 6 hours        | ENGL 1213 English Composition II                                                                                                                    | 3 hours        |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   |
| One 3 hour course to be chosen from those listed with the International Dimension and 3 hours of humanities electives.                     |                | HIST 1483 American History to 1877                                                                                                                  |                |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   |
| MATHEMATICS COURSES                                                                                                                        |                | (OR) HIST 1493 American History Since 1877                                                                                                          | 3 hours        |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   |
| MATH 1493 Math Applications (OR)                                                                                                           |                | LIT 2413 Intro to Literature                                                                                                                        | 3 hours        |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   |
| MATH 1513 College Algebra                                                                                                                  | 3 hours        | ENGL 2423 Intro to Fiction Writing                                                                                                                  | 3 hours        |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   |
| SCIENCE COURSES                                                                                                                            |                | Science Elective                                                                                                                                    | 4 hours        |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   |
| Two Sciences with Lab                                                                                                                      | 8 hours        | THIRD SEMESTER                                                                                                                                      | 16 TOTAL HOURS |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   |
| COMPUTER SCIENCE COURSES                                                                                                                   |                | POLI 1113 American Government                                                                                                                       | 3 hours        |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   |
| BSAD 1113 Digital/Financial Literacy (or other approved computer course)                                                                   | 3 hours        | Science Elective                                                                                                                                    | 4 hours        |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   |
| ORIENTATION COURSES                                                                                                                        |                | Humanities Elective                                                                                                                                 | 3 hours        |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   |
| ORNT 1101 Freshman Orientation                                                                                                             | 1 hour         | ENGL 2433 Intro to Poetry Writing                                                                                                                   | 3 hours        |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   |
| GENERAL EDUCATION ELECTIVE COURSES                                                                                                         | 3 hours        | American, British, or World Lit Survey                                                                                                              | 3 hours        |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   |
| Select courses from: Language Arts, Natural Sciences, Foreign Languages, Fine Arts, Humanities, Mathematics, Behavioral or Social Sciences |                | FOURTH SEMESTER                                                                                                                                     | 12 TOTAL HOURS |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   |
| PROGRAM REQUIREMENT COURSES                                                                                                                | 18 TOTAL HOURS | Humanities Elective                                                                                                                                 | 3 hours        |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   |
| ENGL 2413 Creative Writing                                                                                                                 | 3 hours        | American, British, or World Lit Survey                                                                                                              | 3 hours        |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   |
| LIT 2413 Intro to Literature                                                                                                               | 3 hours        | *Program/Gen Ed Electives                                                                                                                           | 6 hours        |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   |
| Creative Writing Electives                                                                                                                 | 6 hours        | (2 courses)                                                                                                                                         |                |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   |
| American, British, or World Lit survey courses                                                                                             | 6 hours        | * Hours from recommended program electives and general education electives in Language Arts may be combined for final 6 hours required to graduate. |                |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   |
| RECOMMENDED PROGRAM ELECTIVE COURSES                                                                                                       | 5 TOTAL HOURS  | This is a suggested sequence timeline only. A student may require more than four semesters to complete an Associate in Arts degree.                 |                |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   |
| SPCH 1713 Intro to Oral Communications                                                                                                     | 3 hours        |                                                                                                                                                     |                |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   |
| JOUR 2240 Publications Practicum                                                                                                           | 2 hours        |                                                                                                                                                     |                |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   |
| Foreign Language Electives                                                                                                                 | 5 hours        |                                                                                                                                                     |                |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   |
| TOTAL CREDIT HOURS                                                                                                                         | 60             |                                                                                                                                                     |                |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   |

**ENTERPRISE DEVELOPMENT – BUSINESS ADMINISTRATION AREA OF EMPHASIS**

(Note: Program requirements for this degree are offered on NOC Enid, NOC Stillwater, and NOC Tonkawa campuses, as well as online. At the beginning of each course listing, the four letter abbreviation indicates the department and the four digits indicate the course code used for enrollment. The total course hour value follows each.)

| PROGRAM REQUIREMENTS                                                                                                                                                                             |                | SUGGESTED COURSE SEQUENCE                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          |                | The Enterprise Development Business Administration Area of Emphasis is a flexible two-year degree in business that includes the most desirable core competencies requested by employers and provides a degree completion framework that matches student aspirations with the needs of all industry sectors. The number of expected openings for accounting and billing clerks alone, according to OESC, exceeds the projected number of Oklahoma two-year business graduates during the same period. This degree completion program provides a well-rounded degree program, while allowing the student to focus on the knowledge, skills, and attributes needed in his or her chosen field. Offering undergraduates the opportunity to learn and practice core skills for business growth, become leaders in an organization, master key technology processes, and continuously upgrade those skills throughout their working years is the central theme of the degree completion program. |
|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|----------------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|----------------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
|                                                                                                                                                                                                  | Credit Hours   |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    | Credit Hours   |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            |
| <b>GENERAL EDUCATION COURSES</b>                                                                                                                                                                 | 37 TOTAL HOURS | <b>FIRST SEMESTER</b>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              | 15 TOTAL HOURS |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            |
| ENGLISH COMPOSITION COURSES                                                                                                                                                                      |                | ENGL 1113 English Composition I                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    | 3 hours        |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            |
| ENGL 1113 English Composition I                                                                                                                                                                  | 3 hours        | MATH 1493 Math Applications                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        |                |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            |
| ENGL 1213 English Composition II                                                                                                                                                                 | 3 hours        | (OR) MATH 1513 College Algebra                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     | 3 hours        |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            |
| SPCH 1713 Intro. to Oral Comm                                                                                                                                                                    | 3 hours        | HIST 1483 American History to 1877                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 |                |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            |
| <b>HISTORY AND GOVERNMENT COURSES</b>                                                                                                                                                            |                | (OR) HIST 1493 American History Since 1877                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         | 3 hours        |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            |
| HIST 1483 American History to 1877                                                                                                                                                               |                | Humanities Elective                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                | 3 hours        |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            |
| (OR) HIST 1493 American History Since 1877                                                                                                                                                       | 3 hours        | Computer Science Elective                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          | 3 hours        |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            |
| POLI 1113 American Government                                                                                                                                                                    | 3 hours        | <b>SECOND SEMESTER</b>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             | 15 TOTAL HOURS |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            |
| <b>HUMANITIES COURSES</b>                                                                                                                                                                        |                | ACCT 2103 Accounting I-Financial                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   | 3 hours        |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            |
| Electives                                                                                                                                                                                        | 6 hours        | BMGT 2143 Marketing                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                | 3 hours        |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            |
| <b>MATHEMATICS COURSES</b>                                                                                                                                                                       |                | ENGL 1213 English Composition II                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   | 3 hours        |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            |
| MATH 1493 Math Applications (OR)                                                                                                                                                                 |                | ECON 2113 Macroeconomics Principles                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                | 3 hours        |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            |
| MATH 1513 College Algebra                                                                                                                                                                        | 3 hours        | POLI 1113 American Government                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      | 3 hours        |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            |
| <b>SCIENCE COURSES</b> (one must be a lab science)                                                                                                                                               |                | <b>THIRD SEMESTER</b>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              | 16 TOTAL HOURS |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            |
| One Biological Science                                                                                                                                                                           | 3-4 hours      | ACCT 2203 Accounting II-Managerial                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 | 3 hours        |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            |
| One Physical Science                                                                                                                                                                             | 3-4 hours      | ECON 2123 Microeconomic Principles                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 | 3 hours        |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            |
| <b>TECHNOLOGY AND LANGUAGE COURSES</b>                                                                                                                                                           |                | SPCH 1713 Intro to Oral Communications                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             | 3 hours        |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            |
| CS 1113 Computer Concepts (OR)                                                                                                                                                                   | 6 hours        | Science Elective (Biological or Physical)                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          | 4 hours        |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            |
| BSAD 1113 Digital/Financial Literacy                                                                                                                                                             | 3 hours        | Humanities Elective                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                | 3 hours        |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            |
| Conversational Spanish or other world language elective                                                                                                                                          |                | <b>FOURTH SEMESTER</b>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             | 15 TOTAL HOURS |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            |
| <b>PROFESSIONAL REQUIREMENT COURSES</b>                                                                                                                                                          | 23 TOTAL HOURS | Science Elective (Biological or Physical)                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          | 4 hours        |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            |
| ACCT 2103 Accounting I-Financial                                                                                                                                                                 | 3 hours        | MATH 2023 Elementary Statistics                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    | 3 hours        |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            |
| ACCT 2203 Accounting II-Managerial                                                                                                                                                               | 3 hours        | Language Elective                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  | 3 hours        |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            |
| BMGT 2240 Business Internship                                                                                                                                                                    | 3 hours        | Business internship                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                | 3 hours        |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            |
| BMGT 2143 Marketing                                                                                                                                                                              | 3 hours        | Business Seminar                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   | 2 hours        |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            |
| BSAD 2002 Business Seminar                                                                                                                                                                       | 2 hours        |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    |                |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            |
| ECON 2113 Macroeconomic Principles                                                                                                                                                               | 3 hours        |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    |                |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            |
| ECON 2123 Microeconomic Principles                                                                                                                                                               | 3 hours        |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    |                |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            |
| MATH 2023 Elementary Statistics                                                                                                                                                                  | 3 hours        |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    |                |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            |
| <b>TOTAL CREDIT HOURS</b>                                                                                                                                                                        | <b>60</b>      | This is a suggested sequence timeline only. A student may require more than four semesters to complete an Associate in Arts degree.                                                                                                                                                                                                                                                                                                                                                                                                                                                                                |                |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            |
|                                                                                                                                                                                                  |                | NOC evaluates students for placement into either foundational or college-level courses, whichever will lead to the greatest possibility of student success. Academic placement is determined either by A.C.T. test scores or by Accuplacer test scores. These tests are administered in the Testing Center at NOC. Based upon the scores, students may be required to take one or more courses for remediation in English, Math, or Reading, either prior to or concurrent with credit courses. See the NOC Testing web page <a href="http://www.noc.edu/act">http://www.noc.edu/act</a> for placement guidelines. |                |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            |
| * Students scoring 26 or above on the math subsection of the A.C.T. do not have to take MATH 1513 College Algebra and may take MATH 2023 Elementary Statistics or MATH 2103 Elementary Calculus. |                | The Business Division is accredited by the Accreditation Council of Business Schools and Programs (ACBSP). Outstanding Business students are invited to join Kappa Beta Delta, the business honor society recognized by ACBSP. This degree program is not yet accredited by ACBSP.                                                                                                                                                                                                                                                                                                                                 |                |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            |

**ENTERPRISE DEVELOPMENT – GENERAL STUDIES AREA OF EMPHASIS**

(Note: Program requirements for this degree are offered on NOC Enid, NOC Fountain Square-Stillwater and NOC Tonkawa campuses.. At the beginning of each course listing, the four letter abbreviation indicates the department and the four digits indicate the course code used for enrollment. The total course hour value follows each.)

| PROGRAM REQUIREMENTS                                                                                                                                                                             |                | SUGGESTED COURSE SEQUENCE                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               |                | The Enterprise Development, Arts, and Sciences Area of Emphasis is a flexible two-year degree in general studies that includes the most desirable core competencies requested by employers and provides a degree completion framework that builds on the core competencies to provide a well-educated and well-rounded citizen in the workplace. This degree completion program allows the student to focus on the knowledge, skills, and attributes needed in his or her chosen field. This option is also designed to transfer directly to the "Reach Higher" Initiative offered by Oklahoma's Regional Colleges and Universities (Bachelor of Science in Organizational Leadership).                                                                                                                                                                                                                                   |
|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|----------------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|----------------|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
|                                                                                                                                                                                                  | Credit Hours   |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         | Credit Hours   |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           |
| GENERAL EDUCATION COURSES                                                                                                                                                                        | 37 TOTAL HOURS | FIRST SEMESTER                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          | 15 TOTAL HOURS | This program is made possible by a consortium initiative between community colleges within the state of Oklahoma. The courses in the general education core will be available "every semester in every format" from one or more of the community colleges participating in this consortium. the community colleges participating with Northern Oklahoma College in this degree completion initiative include: Carl Albert State College, Connors State College, Eastern Oklahoma State College, Murray State College, Northeastern Oklahoma A&M College, Oklahoma City Community College, Redlands Community College, Rose State College, Seminole State College, Tulsa Community College, and Western Oklahoma State College. the general education core has a transfer guarantee between the community colleges and also transferable to the research and regional universities through the Course Equivalency Project. |
| ENGLISH COMPOSITION COURSES                                                                                                                                                                      |                | ENGL 1113 English Composition I                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         | 3 hours        |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           |
| ENGL 1113 English Composition I                                                                                                                                                                  | 3 hours        | MATH 1493 Math Applications (OR) MATH 1513 College Algebra                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              | 3 hours        | This program is made possible by a consortium initiative between community colleges within the state of Oklahoma. The courses in the general education core will be available "every semester in every format" from one or more of the community colleges participating in this consortium. the community colleges participating with Northern Oklahoma College in this degree completion initiative include: Carl Albert State College, Connors State College, Eastern Oklahoma State College, Murray State College, Northeastern Oklahoma A&M College, Oklahoma City Community College, Redlands Community College, Rose State College, Seminole State College, Tulsa Community College, and Western Oklahoma State College. the general education core has a transfer guarantee between the community colleges and also transferable to the research and regional universities through the Course Equivalency Project. |
| ENGL 1213 English Composition II                                                                                                                                                                 | 3 hours        | HIST 1483 American History to 1877 (OR) HIST 1493 American History Since 1877                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           | 3 hours        |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           |
| SPCH 1713 Intro. to Oral Comm                                                                                                                                                                    | 3 hours        | Humanities Elective                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     | 3 hours        | This program is made possible by a consortium initiative between community colleges within the state of Oklahoma. The courses in the general education core will be available "every semester in every format" from one or more of the community colleges participating in this consortium. the community colleges participating with Northern Oklahoma College in this degree completion initiative include: Carl Albert State College, Connors State College, Eastern Oklahoma State College, Murray State College, Northeastern Oklahoma A&M College, Oklahoma City Community College, Redlands Community College, Rose State College, Seminole State College, Tulsa Community College, and Western Oklahoma State College. the general education core has a transfer guarantee between the community colleges and also transferable to the research and regional universities through the Course Equivalency Project. |
| HISTORY AND GOVERNMENT COURSES                                                                                                                                                                   |                | Computer Science Elective                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               | 3 hours        |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           |
| HIST 1483 American History to 1877 (OR) HIST 1493 American History Since 1877                                                                                                                    | 3 hours        | SECOND SEMESTER                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         | 15 TOTAL HOURS | This program is made possible by a consortium initiative between community colleges within the state of Oklahoma. The courses in the general education core will be available "every semester in every format" from one or more of the community colleges participating in this consortium. the community colleges participating with Northern Oklahoma College in this degree completion initiative include: Carl Albert State College, Connors State College, Eastern Oklahoma State College, Murray State College, Northeastern Oklahoma A&M College, Oklahoma City Community College, Redlands Community College, Rose State College, Seminole State College, Tulsa Community College, and Western Oklahoma State College. the general education core has a transfer guarantee between the community colleges and also transferable to the research and regional universities through the Course Equivalency Project. |
| POLI 1113 American Government                                                                                                                                                                    | 3 hours        | ACCT 2103 Accounting I-Financial                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        | 3 hours        |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           |
| HUMANITIES COURSES                                                                                                                                                                               |                | BMGT 2143 Marketing                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     | 3 hours        | This program is made possible by a consortium initiative between community colleges within the state of Oklahoma. The courses in the general education core will be available "every semester in every format" from one or more of the community colleges participating in this consortium. the community colleges participating with Northern Oklahoma College in this degree completion initiative include: Carl Albert State College, Connors State College, Eastern Oklahoma State College, Murray State College, Northeastern Oklahoma A&M College, Oklahoma City Community College, Redlands Community College, Rose State College, Seminole State College, Tulsa Community College, and Western Oklahoma State College. the general education core has a transfer guarantee between the community colleges and also transferable to the research and regional universities through the Course Equivalency Project. |
| Electives                                                                                                                                                                                        | 6 hours        | ENGL 1213 English Composition II                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        | 3 hours        |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           |
| MATHEMATICS COURSES                                                                                                                                                                              |                | ECON 2113 Macroeconomics Principles                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     | 3 hours        | This program is made possible by a consortium initiative between community colleges within the state of Oklahoma. The courses in the general education core will be available "every semester in every format" from one or more of the community colleges participating in this consortium. the community colleges participating with Northern Oklahoma College in this degree completion initiative include: Carl Albert State College, Connors State College, Eastern Oklahoma State College, Murray State College, Northeastern Oklahoma A&M College, Oklahoma City Community College, Redlands Community College, Rose State College, Seminole State College, Tulsa Community College, and Western Oklahoma State College. the general education core has a transfer guarantee between the community colleges and also transferable to the research and regional universities through the Course Equivalency Project. |
| MATH 1493 Math Applications (OR) MATH 1513 College Algebra                                                                                                                                       | 3 hours        | POLI 1113 American Government                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           | 3 hours        |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           |
| SCIENCE COURSES (one must be a lab science)                                                                                                                                                      |                | THIRD SEMESTER                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          | 16 TOTAL HOURS | This program is made possible by a consortium initiative between community colleges within the state of Oklahoma. The courses in the general education core will be available "every semester in every format" from one or more of the community colleges participating in this consortium. the community colleges participating with Northern Oklahoma College in this degree completion initiative include: Carl Albert State College, Connors State College, Eastern Oklahoma State College, Murray State College, Northeastern Oklahoma A&M College, Oklahoma City Community College, Redlands Community College, Rose State College, Seminole State College, Tulsa Community College, and Western Oklahoma State College. the general education core has a transfer guarantee between the community colleges and also transferable to the research and regional universities through the Course Equivalency Project. |
| One Biological Science                                                                                                                                                                           | 3-4 hours      | ACCT 2203 Accounting II-Managerial                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      | 3 hours        |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           |
| One Physical Science                                                                                                                                                                             | 3-4 hours      | ECON 2123 Microeconomic Principles                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      | 3 hours        | This program is made possible by a consortium initiative between community colleges within the state of Oklahoma. The courses in the general education core will be available "every semester in every format" from one or more of the community colleges participating in this consortium. the community colleges participating with Northern Oklahoma College in this degree completion initiative include: Carl Albert State College, Connors State College, Eastern Oklahoma State College, Murray State College, Northeastern Oklahoma A&M College, Oklahoma City Community College, Redlands Community College, Rose State College, Seminole State College, Tulsa Community College, and Western Oklahoma State College. the general education core has a transfer guarantee between the community colleges and also transferable to the research and regional universities through the Course Equivalency Project. |
| TECHNOLOGY AND LANGUAGE COURSES                                                                                                                                                                  | 6 hours        | SPCH 1713 Intro to Oral Communications                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  | 3 hours        |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           |
| CS 1113 Computer Concepts (OR) BSAD 1113 Digital/Financial Literacy                                                                                                                              | 3 hours        | Science Elective (Biological or Physical)                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               | 3 hours        | This program is made possible by a consortium initiative between community colleges within the state of Oklahoma. The courses in the general education core will be available "every semester in every format" from one or more of the community colleges participating in this consortium. the community colleges participating with Northern Oklahoma College in this degree completion initiative include: Carl Albert State College, Connors State College, Eastern Oklahoma State College, Murray State College, Northeastern Oklahoma A&M College, Oklahoma City Community College, Redlands Community College, Rose State College, Seminole State College, Tulsa Community College, and Western Oklahoma State College. the general education core has a transfer guarantee between the community colleges and also transferable to the research and regional universities through the Course Equivalency Project. |
| Conversational Spanish or other world language elective                                                                                                                                          |                | Humanities Elective                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     | 3 hours        |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           |
| PROGRAM REQUIREMENT COURSES                                                                                                                                                                      | 23 TOTAL HOURS | FOURTH SEMESTER                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         | 15 TOTAL HOURS | This program is made possible by a consortium initiative between community colleges within the state of Oklahoma. The courses in the general education core will be available "every semester in every format" from one or more of the community colleges participating in this consortium. the community colleges participating with Northern Oklahoma College in this degree completion initiative include: Carl Albert State College, Connors State College, Eastern Oklahoma State College, Murray State College, Northeastern Oklahoma A&M College, Oklahoma City Community College, Redlands Community College, Rose State College, Seminole State College, Tulsa Community College, and Western Oklahoma State College. the general education core has a transfer guarantee between the community colleges and also transferable to the research and regional universities through the Course Equivalency Project. |
| ACCT 2103 Accounting I-Financial                                                                                                                                                                 | 3 hours        | Science Elective (Biological or Physical)                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               | 3 hours        |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           |
| ACCT 2203 Accounting II-Managerial                                                                                                                                                               | 3 hours        | MATH 2023 Elementary Statistics                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         | 3 hours        | This program is made possible by a consortium initiative between community colleges within the state of Oklahoma. The courses in the general education core will be available "every semester in every format" from one or more of the community colleges participating in this consortium. the community colleges participating with Northern Oklahoma College in this degree completion initiative include: Carl Albert State College, Connors State College, Eastern Oklahoma State College, Murray State College, Northeastern Oklahoma A&M College, Oklahoma City Community College, Redlands Community College, Rose State College, Seminole State College, Tulsa Community College, and Western Oklahoma State College. the general education core has a transfer guarantee between the community colleges and also transferable to the research and regional universities through the Course Equivalency Project. |
| BMGT 2240 Business Internship                                                                                                                                                                    | 3 hours        | Language Elective                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       | 3 hours        |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           |
| BMGT 2143 Marketing                                                                                                                                                                              | 3 hours        | Business Internship                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     | 3 hours        | This program is made possible by a consortium initiative between community colleges within the state of Oklahoma. The courses in the general education core will be available "every semester in every format" from one or more of the community colleges participating in this consortium. the community colleges participating with Northern Oklahoma College in this degree completion initiative include: Carl Albert State College, Connors State College, Eastern Oklahoma State College, Murray State College, Northeastern Oklahoma A&M College, Oklahoma City Community College, Redlands Community College, Rose State College, Seminole State College, Tulsa Community College, and Western Oklahoma State College. the general education core has a transfer guarantee between the community colleges and also transferable to the research and regional universities through the Course Equivalency Project. |
| BSAD 2002 Business Seminar                                                                                                                                                                       | 2 hours        | Business Seminar                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        | 2 hours        |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           |
| ECON 2113 Macroeconomic Principles                                                                                                                                                               | 3 hours        |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         |                | This program is made possible by a consortium initiative between community colleges within the state of Oklahoma. The courses in the general education core will be available "every semester in every format" from one or more of the community colleges participating in this consortium. the community colleges participating with Northern Oklahoma College in this degree completion initiative include: Carl Albert State College, Connors State College, Eastern Oklahoma State College, Murray State College, Northeastern Oklahoma A&M College, Oklahoma City Community College, Redlands Community College, Rose State College, Seminole State College, Tulsa Community College, and Western Oklahoma State College. the general education core has a transfer guarantee between the community colleges and also transferable to the research and regional universities through the Course Equivalency Project. |
| ECON 2123 Microeconomics Principles                                                                                                                                                              | 3 hours        |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         |                |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           |
| MATH 2023 Elementary Statistics                                                                                                                                                                  | 3 hours        |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         |                | This program is made possible by a consortium initiative between community colleges within the state of Oklahoma. The courses in the general education core will be available "every semester in every format" from one or more of the community colleges participating in this consortium. the community colleges participating with Northern Oklahoma College in this degree completion initiative include: Carl Albert State College, Connors State College, Eastern Oklahoma State College, Murray State College, Northeastern Oklahoma A&M College, Oklahoma City Community College, Redlands Community College, Rose State College, Seminole State College, Tulsa Community College, and Western Oklahoma State College. the general education core has a transfer guarantee between the community colleges and also transferable to the research and regional universities through the Course Equivalency Project. |
| TOTAL CREDIT HOURS                                                                                                                                                                               | 60             |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         |                |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           |
|                                                                                                                                                                                                  |                | This is a suggested sequence timeline only. A student may require more than four semesters to complete an Associate in Arts degree.                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     |                | The Business Division is accredited by the Accreditation Council of Business Schools and Programs (ACBSP). Outstanding Business students are invited to join Kappa Beta Delta, the business honor society recognized by ACBSP. This degree program is not yet accredited by ACBSP.                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        |
|                                                                                                                                                                                                  |                | NOC evaluates students for placement into either foundational or college-level courses, whichever will lead to the greatest possibility of student success. Academic placement is determined either by A.C.T. test scores or by Accuplacer test scores. These tests are administered in the Testing Center at NOC. Based up one the scores, students may be required to take one or more courses for remediation in English, Math, or Reading, either prior to or concurrent with credit courses. See the NOC Testing web page at <a href="http://www.noc.edu/act">http://www.noc.edu/act</a> for placement guidelines. |                |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           |
| * Students scoring 26 or above on the math subsection of the A.C.T. do not have to take MATH 1513 College Algebra and may take MATH 2023 Elementary Statistics or MATH 2103 Elementary Calculus. |                |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         |                |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           |



**MUSIC**

(Note: Program requirements for this degree are offered on NOC Tonkawa campus only.

At the beginning of each course listing, the four letter abbreviation indicates the department and the four digits indicate the course code used for enrollment. The total course hour value follows each.)

| PROGRAM REQUIREMENTS                                                                                                                       |                | SUGGESTED COURSE SEQUENCE                                                                                                           |                | This suggested curriculum includes degree requirements and courses that are usually completed in the first two years of a four-year curriculum. Consult with the university or college of your choice and its catalog curriculum as you make plans on where to transfer. Be careful to select the courses that will meet all requirements for both the Associate and Baccalaureate degree programs.                                                                                                                                                                                                                                                  |
|--------------------------------------------------------------------------------------------------------------------------------------------|----------------|-------------------------------------------------------------------------------------------------------------------------------------|----------------|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
|                                                                                                                                            | Credit Hours   |                                                                                                                                     | Credit Hours   |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      |
| <b>GENERAL EDUCATION COURSES</b>                                                                                                           | 37 TOTAL HOURS | <b>FIRST SEMESTER</b>                                                                                                               | 17 TOTAL HOURS | With the general education requirements and the nature of the study of music, the student may want to attend summer school between the freshman and sophomore years to relieve the amount of credit hours taken during the school year.                                                                                                                                                                                                                                                                                                                                                                                                              |
| ENGLISH COMPOSITION COURSES                                                                                                                |                | ENGL 1113 English Composition I                                                                                                     | 3 hours        |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      |
| ENGL 1113 English Composition I                                                                                                            | 3 hours        | MATH 1493 Math Applications (OR)                                                                                                    |                | <b>Career Opportunities</b>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          |
| ENGL 1213 English Composition II                                                                                                           | 3 hours        | MATH 1513 College Algebra                                                                                                           | 3 hours        |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      |
| <b>HISTORY AND GOVERNMENT COURSES</b>                                                                                                      |                | ORNT 1101 Freshman Orientation                                                                                                      | 1 hour         | • <b>Composition</b>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 |
| HIST 1483 American History to 1877                                                                                                         |                | MUSC 1113 Music Appreciation (Humanities Elective)                                                                                  | 3 hours        |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      |
| (OR) HIST 1493 American History Since 1877                                                                                                 | 3 hours        | MUSC 1110 Recital Attendance                                                                                                        | 0 hours        | • <b>Entertainment</b>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               |
| POLI 1113 American Government                                                                                                              | 3 hours        | MUSC 1131 Ear Training/Sight Singing I                                                                                              | 1 hour         |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      |
| <b>HUMANITIES COURSES</b>                                                                                                                  |                | MUSC 1133 Music Theory I                                                                                                            | 3 hours        | • <b>Instrumental Repair</b>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         |
| Electives                                                                                                                                  | 6 hours        | MUSC 2631 Vocal Ensemble (OR)                                                                                                       |                |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      |
| One 3 hour course to be chosen from those listed with the International Dimension and 3 hours of humanities electives.                     |                | MUSC 2611 Instrumental Ensemble                                                                                                     | 1 hour         | • <b>Music Education</b>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             |
| <b>MATHEMATICS COURSES</b>                                                                                                                 |                | Private Area of Study                                                                                                               | 1 hour         |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      |
| MATH 1493 Math Applications (OR)                                                                                                           |                | MUSC 1711 Applied Piano-Class I                                                                                                     | 1 hour         | • <b>Music Performance</b>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           |
| MATH 1513 College Algebra                                                                                                                  | 3 hours        | <b>SECOND SEMESTER</b>                                                                                                              | 15 TOTAL HOURS |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      |
| <b>SCIENCE COURSES</b>                                                                                                                     |                | ENGL 1213 English Composition II                                                                                                    |                | • <b>Music Store Owner</b>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           |
| Two Sciences with Lab                                                                                                                      | 8 hours        | HIST 1483 American History to 1877                                                                                                  |                |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      |
| <b>COMPUTER SCIENCE COURSES</b>                                                                                                            |                | (OR) HIST 1493 American History Since 1877                                                                                          | 3 hours        | • <b>Music Therapy</b>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               |
| CS 1113 Computer Concepts (or other approved computer course)                                                                              | 3 hours        | CS 1113 Computer Concepts                                                                                                           | 3 hours        |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      |
| <b>ORIENTATION COURSES</b>                                                                                                                 |                | MUSC 1110 Recital Attendance                                                                                                        | 0 hours        | • <b>Piano Tuning</b>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                |
| ORNT 1101 Freshman Orientation                                                                                                             | 1 hour         | MUSC 1141 Ear Training/Sight Singing II                                                                                             | 1 hour         |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      |
| <b>GENERAL EDUCATION ELECTIVE COURSES</b>                                                                                                  | 4 hours        | MUSC 1143 Music Theory II                                                                                                           | 3 hours        | • <b>Studio Arts</b>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 |
| Select courses from: Language Arts, Natural Sciences, Foreign Languages, Fine Arts, Humanities, Mathematics, Behavioral or Social Sciences |                | MUSC 2631 Vocal Ensemble (OR)                                                                                                       |                |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      |
| <b>PROGRAM REQUIREMENT COURSES</b>                                                                                                         | 16 TOTAL HOURS | MUSC 2611 Instrumental Ensemble                                                                                                     | 1 hour         | NOC evaluates students for placement into either foundational or college-level courses, whichever will lead to the greatest possibility of student success. Academic placement is determined either by A C T test scores or by Accuplacer test scores. These tests are administered in the Testing Center at NOC. Based upon the scores, students may be required to take one or more courses for remediation in English, Math, or Reading, either prior to or concurrent with credit courses. See the NOC testing web page by clicking on the following link: <a href="http://www.noc.edu/act">http://www.noc.edu/act</a> for placement guidelines. |
| MUSC 1131 Ear Training/Sight Singing I                                                                                                     | 1 hour         | Private Area of Study                                                                                                               | 1 hour         |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      |
| MUSC 1133 Music Theory I                                                                                                                   | 3 hours        | Recommended if needed to meet proficiency                                                                                           |                |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      |
| MUSC 1141 Ear Training/Sight Singing II                                                                                                    | 1 hour         | MUSC 1721 Applied Piano-Class II                                                                                                    | 1 hour         |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      |
| MUSC 1143 Music Theory II                                                                                                                  | 3 hours        | <b>THIRD SEMESTER</b>                                                                                                               | 16 TOTAL HOURS |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      |
| MUSC 2131 Ear Training/Sight Singing III                                                                                                   | 1 hour         | POLI 1113 American Government                                                                                                       | 3 hours        |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      |
| MUSC 2133 Music Theory III                                                                                                                 | 3 hours        | Science Elective                                                                                                                    | 4 hours        |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      |
| MUSC 2141 Ear Training/Sight Singing IV                                                                                                    | 1 hour         | Humanities Elective                                                                                                                 | 3 hours        |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      |
| MUSC 2143 Music Theory IV                                                                                                                  | 3 hours        | MUSC 1110 Recital Attendance                                                                                                        | 0 hours        |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      |
| MUSC 1110 Recital Attendance                                                                                                               | 0 hours        | MUSC 2131 Ear Training/Sight Singing III                                                                                            | 1 hour         |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      |
| <b>RECOMMENDED PROGRAM ELECTIVE COURSES</b>                                                                                                | 7 TOTAL HOURS  | MUSC 2631 Vocal Ensemble (OR)                                                                                                       | 3 hours        |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      |
| MUSC 1513 Music Literature                                                                                                                 | 3 hours        | MUSC 2611 Instrumental Ensemble                                                                                                     | 1 hour         |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      |
| Area of Concentration-Private Voice or Instrument                                                                                          | 4-8 hours      | Private Area of Study                                                                                                               | 1 hour         |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      |
| (Senior institutions will require 8 hours of lower division private instruction)                                                           |                | Recommended if needed to meet proficiency                                                                                           |                |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      |
| Applied Piano Class*, Concert Band**, Vocal Ensemble/College Choir **, Applied Instrument Class (WW/Br/Per).                               |                | MUSC 1731 Applied Piano Class III                                                                                                   | 1 hour         |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      |
| *Most Senior institutions require music majors to enroll in Piano Class until a proficiency test is passed.                                |                | <b>FOURTH SEMESTER</b>                                                                                                              | 14 TOTAL HOURS |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      |
| *Ensemble may be repeated, but each ensemble will only count once towards graduation.                                                      |                | Science Elective                                                                                                                    | 4 hours        |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      |
| <b>TOTAL CREDIT HOURS</b>                                                                                                                  | 60             | MUSC 1110 Recital Attendance                                                                                                        | 0 hours        |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      |
|                                                                                                                                            |                | MUSC 2131 Ear Training/Sight Singing IV                                                                                             | 1 hour         |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      |
|                                                                                                                                            |                | MUSC 2133 Music Theory IV                                                                                                           | 4 hours        |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      |
|                                                                                                                                            |                | General Education Electives                                                                                                         | 4 hours        |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      |
|                                                                                                                                            |                | (Music majors advised to choose gen ed electives from Fine Arts electives as add-ons recommended above or from selection below):    |                |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      |
|                                                                                                                                            |                | Private Area of Study                                                                                                               | 1 hour         |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      |
|                                                                                                                                            |                | MUSC 2631 Applied Piano-Class IV                                                                                                    | 1 hour         |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      |
|                                                                                                                                            |                | This is a suggested sequence timeline only. A student may require more than four semesters to complete an Associate in Arts degree. |                |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      |

**MUSIC – MUSIC THEATRE OPTION**

(Note: Program requirements for this degree are offered on NOC Tonkawa campus only.

At the beginning of each course listing, the four letter abbreviation indicates the department and the four digits indicate the course code used for enrollment. The total course hour value follows each.)

| PROGRAM REQUIREMENTS                                                                                                                       |                | SUGGESTED COURSE SEQUENCE                                                                                                           |                | This suggested curriculum includes degree requirements and courses that are usually completed in the first two years of a four-year curriculum. Consult with the university or college of your choice and its catalog curriculum as you make plans on where to transfer. Be careful to select the courses that will meet all requirements for both the Associate and Baccalaureate degree programs.                                                                                                                                                                                                                                                                                      |
|--------------------------------------------------------------------------------------------------------------------------------------------|----------------|-------------------------------------------------------------------------------------------------------------------------------------|----------------|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
|                                                                                                                                            | Credit Hours   |                                                                                                                                     | Credit Hours   |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          |
| <b>GENERAL EDUCATION COURSES</b>                                                                                                           | 37 TOTAL HOURS | <b>FIRST SEMESTER</b>                                                                                                               | 17 TOTAL HOURS | <b>The Music Theatre degree is designed for those interested in a career in the ever expanding music and entertainment industry.</b>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     |
| <b>ENGLISH COMPOSITION COURSES</b>                                                                                                         |                | ENGL 1113 English Composition I                                                                                                     | 3 hours        |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          |
| ENGL 1113 English Composition I                                                                                                            | 3 hours        | MATH 1493 Math Applications (OR)                                                                                                    | 3 hours        | <b>Career Opportunities</b>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              |
| ENGL 1213 English Composition II                                                                                                           | 3 hours        | MATH 1513 College Algebra                                                                                                           | 3 hours        |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          |
| <b>HISTORY AND GOVERNMENT COURSES</b>                                                                                                      |                | ORNT 1101 Freshman Orientation                                                                                                      | 1 hour         | <ul style="list-style-type: none"> <li>• Actor</li> <li>• Costume Designer</li> <li>• Entertainer</li> <li>• Lighting Designer</li> <li>• Makeup Artist</li> <li>• Music Education</li> <li>• Music Teacher</li> <li>• Stagecraft</li> <li>• Voice Coach</li> </ul>                                                                                                                                                                                                                                                                                                                                                                                                                      |
| HIST 1483 American History to 1877                                                                                                         |                | THTR 1213 Beginning Acting                                                                                                          | 3 hours        |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          |
| (OR) HIST 1493 American History Since 1877                                                                                                 | 3 hours        | MUSC 1110 Recital Attendance                                                                                                        | 0 hours        | NOC evaluates students for placement into either foundational or college-level courses, whichever will lead to the greatest possibility of student success. Academic placement is determined either by A C T test scores or by Accuplacer test scores. These tests are administered in the Testing Center at NOC. Based upon the scores, students may be required to take one or more courses for remediation in English, Math, or Reading, either prior to or concurrent with credit courses. See the NOC testing web page by clicking on the following link: ACT   Northern Oklahoma College ( <a href="http://www.noc.edu/act">http://www.noc.edu/act</a> ) for placement guidelines. |
| POLI 1113 American Government                                                                                                              | 3 hours        | MUSC 1131 Ear Training/Sight Singing I                                                                                              | 1 hour         |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          |
| <b>HUMANITIES COURSES</b>                                                                                                                  |                | MUSC 1133 Music Theory I                                                                                                            | 3 hours        |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          |
| Electives                                                                                                                                  | 6 hours        | MUSC 1711 Applied Piano-Class I                                                                                                     | 1 hour         |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          |
| One 3 hour course to be chosen from those listed with the International Dimension and 3 hours of humanities electives.                     |                | MUSC 2631 Vocal Ensemble (OR)                                                                                                       | 1 hour         |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          |
| Recommended: THTR 1223 Intro to Theatre                                                                                                    |                | MUSC 2611 Instrumental Ensemble                                                                                                     | 1 hour         |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          |
| <b>MATHEMATICS COURSES</b>                                                                                                                 |                | Private Area of Study                                                                                                               | 1 hour         |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          |
| MATH 1493 Math Applications (OR)                                                                                                           |                | <b>SECOND SEMESTER</b>                                                                                                              | 14 TOTAL HOURS |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          |
| MATH 1513 College Algebra                                                                                                                  | 3 hours        | ENGL 1213 English Composition II                                                                                                    | 3 hours        |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          |
| <b>SCIENCE COURSES</b>                                                                                                                     |                | CS 1113 Computer Concepts                                                                                                           | 3 hours        |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          |
| Two Sciences with Lab                                                                                                                      | 8 hours        | THTR 2213 Intermediate Acting                                                                                                       | 3 hours        |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          |
| <b>COMPUTER SCIENCE COURSES</b>                                                                                                            |                | MUSC 1110 Recital Attendance                                                                                                        | 0 hours        |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          |
| CS 1113 Computer Concepts                                                                                                                  | 3 hours        | MUSC 1141 Ear Training/Sight Singing II                                                                                             | 1 hour         |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          |
| (or other approved computer course)                                                                                                        |                | MUSC 1143 Music Theory II                                                                                                           | 3 hours        |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          |
| <b>ORIENTATION COURSES</b>                                                                                                                 |                | MUSC 2631 Vocal Ensemble (OR)                                                                                                       | 1 hour         |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          |
| ORNT 1101 Freshman Orientation                                                                                                             | 1 hour         | MUSC 2611 Instrumental Ensemble                                                                                                     | 1 hour         |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          |
| <b>GENERAL EDUCATION ELECTIVE COURSES</b>                                                                                                  | 3 hours        | Private Area of Study                                                                                                               | 1 hour         |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          |
| Select courses from: Language Arts, Natural Sciences, Foreign Languages, Fine Arts, Humanities, Mathematics, Behavioral or Social Sciences |                | <b>THIRD SEMESTER</b>                                                                                                               | 15 TOTAL HOURS |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          |
| <b>PROGRAM REQUIREMENT COURSES</b>                                                                                                         | 19 TOTAL HOURS | POLI 1113 American Government                                                                                                       | 3 hours        |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          |
| MUSC 1131 Ear Training/Sight Singing I                                                                                                     | 3 hours        | Science Elective                                                                                                                    | 4 hours        |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          |
| MUSC 1133 Music Theory I                                                                                                                   | 3 hours        | Recommended Program Elective                                                                                                        | 3 hours        |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          |
| MUSC 1141 Ear Training/Sight Singing II                                                                                                    | 3 hours        | Humanities Elective                                                                                                                 | 3 hours        |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          |
| MUSC 1143 Music Theory II                                                                                                                  | 3 hours        | THTR 1262 Stage Makeup                                                                                                              | 2 hours        |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          |
| THTR 1213 Beginning Acting                                                                                                                 | 3 hours        | THTR 1243 Stagecraft I                                                                                                              | 3 hours        |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          |
| THTR 1243 Stagecraft I                                                                                                                     | 3 hours        | MUSC 1110 Recital Attendance                                                                                                        | 0 hours        |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          |
| THTR 1262 Stage Makeup                                                                                                                     | 2 hours        | <i>Most music theatre majors will also need courses below for proficiency upon transfer:</i>                                        |                |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          |
| THTR 2213 Intermediate Acting                                                                                                              | 3 hours        | MUSC 2631 Vocal Ensemble (OR)                                                                                                       | 1 hour         |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          |
| <b>RECOMMENDED PROGRAM ELECTIVE COURSES</b>                                                                                                | 4 TOTAL HOURS  | MUSC 2611 Instrumental Ensemble                                                                                                     | 1 hour         |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          |
| THTR 1223 Intro to Theatre                                                                                                                 | 3 hours        | Private Area of Study                                                                                                               | 1 hour         |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          |
| THTR 2963 Stage Lighting                                                                                                                   | 3 hours        | <b>FOURTH SEMESTER</b>                                                                                                              | 14 TOTAL HOURS |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          |
| THTR 2973 Stage Lighting II                                                                                                                | 3 hours        | Humanities Elective                                                                                                                 | 3 hours        |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          |
| MUSC/THTR Activity                                                                                                                         | 1 hour         | Science Elective                                                                                                                    | 4 hours        |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          |
| THTR 2243 Stagecraft II                                                                                                                    | 3 hours        | HIST 1483 American History to 1877                                                                                                  |                |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          |
| MUSC 1003 Fundamentals of Music                                                                                                            | 3 hours        | (OR) HIST 1493 American History Since 1877                                                                                          | 3 hours        |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          |
| MUSC 1513 Music Literature                                                                                                                 | 3 hours        | MUSC 1110 Recital Attendance                                                                                                        | 0 hours        |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          |
| Concert Band, Vocal Ensemble/College Choir, Applied Instrument Class (WW/Br/Per)                                                           |                | *Program/Gen Ed Electives (2 courses)                                                                                               | 4 hours        |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          |
| <i>Ensembles may be repeated but each ensemble will only count once towards graduation.</i>                                                |                | <i>Most music theatre majors will also need courses below for proficiency upon transfer:</i>                                        |                |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          |
| <b>TOTAL CREDIT HOURS</b>                                                                                                                  | 60             | MUSC 2631 Vocal Ensemble (OR)                                                                                                       | 1 hour         |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          |
|                                                                                                                                            |                | MUSC 2611 Instrumental Ensemble                                                                                                     | 1 hour         |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          |
|                                                                                                                                            |                | Private Area of Study                                                                                                               | 1 hour         |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          |
|                                                                                                                                            |                | <i>Ensembles may be repeated but each ensemble will only count once towards graduation.</i>                                         |                |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          |
|                                                                                                                                            |                | This is a suggested sequence timeline only. A student may require more than four semesters to complete an Associate in Arts degree. |                |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          |

**SOCIAL SCIENCE**

(Note: Program requirements for this degree are offered on NOC Enid, NOC Stillwater, and NOC Tonkawa campuses..

At the beginning of each course listing, the four letter abbreviation indicates the department and the four digits indicate the course code used for enrollment. The total course hour value follows each.)

| PROGRAM REQUIREMENTS                                                                                                                       |                   | SUGGESTED COURSE SEQUENCE                                                                                                           |                | This suggested curriculum includes degree requirements and courses that are usually completed in the first two years of a four-year curriculum. Consult with the university or college of your choice and its catalog curriculum as you make plans on where to transfer. Be careful to select the courses that will meet all requirements for both the Associate and Baccalaureate degree programs.                                                                                                                                                                                                                                                                                      |
|--------------------------------------------------------------------------------------------------------------------------------------------|-------------------|-------------------------------------------------------------------------------------------------------------------------------------|----------------|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
|                                                                                                                                            | Credit Hours      |                                                                                                                                     | Credit Hours   |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          |
| <b>GENERAL EDUCATION COURSES</b>                                                                                                           | 37 TOTAL HOURS    | <b>FIRST SEMESTER</b>                                                                                                               | 16 TOTAL HOURS | The social sciences, in general, are concerned with the behavior of people under varying circumstances. For example, history examines the behavior of societies through time, geography studies behavior in space, and psychology considers individual behavior.                                                                                                                                                                                                                                                                                                                                                                                                                         |
| ENGLISH COMPOSITION COURSES                                                                                                                |                   | ENGL 1113 English Composition I                                                                                                     | 3 hours        |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          |
| ENGL 1113 English Composition I                                                                                                            | 3 hours           | MATH 1493 Math Applications                                                                                                         | 3 hours        | Career Opportunities                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     |
| ENGL 1213 English Composition II                                                                                                           | 3 hours           | (OR) MATH 1513 College Algebra                                                                                                      | 3 hours        |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          |
| <b>HISTORY AND GOVERNMENT COURSES</b>                                                                                                      |                   | ORNT 1101 Freshman Orientation                                                                                                      | 1 hour         | <ul style="list-style-type: none"> <li>• Business</li> <li>• Counselor</li> <li>• Social Services</li> <li>• Teacher</li> <li>• Researcher</li> </ul>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    |
| HIST 1483 American History to 1877                                                                                                         |                   | BSAD 1113 Digital/Financial Literacy                                                                                                | 3 hours        |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          |
| (OR) HIST 1493 American History Since 1877                                                                                                 | 3 hours           | POLI 1113 American Government                                                                                                       | 3 hours        | NOC evaluates students for placement into either foundational or college-level courses, whichever will lead to the greatest possibility of student success. Academic placement is determined either by A C T test scores or by Accuplacer test scores. These tests are administered in the Testing Center at NOC. Based upon the scores, students may be required to take one or more courses for remediation in English, Math, or Reading, either prior to or concurrent with credit courses. See the NOC testing web page by clicking on the following link: ACT   Northern Oklahoma College ( <a href="http://www.noc.edu/act">http://www.noc.edu/act</a> ) for placement guidelines. |
| POLI 1113 American Government                                                                                                              | 3 hours           | PSYC 1113 General Psychology                                                                                                        | 3 hours        |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          |
| <b>HUMANITIES COURSES</b>                                                                                                                  |                   | <b>SECOND SEMESTER</b>                                                                                                              | 15 TOTAL HOURS |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          |
| Electives                                                                                                                                  | 6 hours           | ENGL 1213 English Composition II                                                                                                    | 3 hours        |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          |
| One 3 hour course to be chosen from those listed with the International Dimension and 3 hours of humanities electives.                     |                   | HIST 1483 American History to 1877                                                                                                  |                |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          |
| <b>MATHEMATICS COURSES</b>                                                                                                                 |                   | (OR) HIST 1493 American History Since 1877                                                                                          | 3 hours        |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          |
| MATH 1493 Math Applications (OR)                                                                                                           |                   | SOCI 1113 Principles of Sociology                                                                                                   | 3 hours        |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          |
| MATH 1513 College Algebra                                                                                                                  | 3 hours           | Recommended Program Elective                                                                                                        | 3 hours        |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          |
| <b>SCIENCE COURSES</b>                                                                                                                     |                   | History designated as humanities elective                                                                                           | 3 hours        |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          |
| Two Sciences with Lab                                                                                                                      | 8 hours           | <b>THIRD SEMESTER</b>                                                                                                               | 16 TOTAL HOURS |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          |
| <b>COMPUTER SCIENCE COURSES</b>                                                                                                            |                   | GEOG 2253 World Regional Geog.                                                                                                      | 3 hours        |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          |
| BSAD 1113 Digital/Financial Literacy                                                                                                       | 3 hours           | Science Elective                                                                                                                    | 4 hours        |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          |
| (or other approved computer course)                                                                                                        |                   | Recommended Program Elective                                                                                                        | 3 hours        |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          |
| <b>ORIENTATION COURSES</b>                                                                                                                 |                   | Humanities elective                                                                                                                 | 3 hours        |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          |
| ORNT 1101 Freshman Orientation                                                                                                             | 1 hour            | HIST 1483 American History to 1877                                                                                                  |                |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          |
| <b>GENERAL EDUCATION ELECTIVE COURSES</b>                                                                                                  | 3 hours           | (OR) HIST 1493 American History Since 1877                                                                                          | 3 hours        |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          |
| Select courses from: Language Arts, Natural Sciences, Foreign Languages, Fine Arts, Humanities, Mathematics, Behavioral or Social Sciences |                   | <b>FOURTH SEMESTER</b>                                                                                                              | 13 TOTAL HOURS |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          |
| <b>PROGRAM REQUIREMENT COURSES</b>                                                                                                         | 12 TOTAL HOURS    | Science Elective                                                                                                                    | 4 hours        |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          |
| PSYC 1113 General Psychology                                                                                                               | 3 hours           | *Program/Gen Ed Electives                                                                                                           | 9 hours        |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          |
| SOCI 1113 Principles of Sociology                                                                                                          | 3 hours           | (3 courses)                                                                                                                         |                |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          |
| HIST 1483 Am. History to 1877 (OR)                                                                                                         |                   |                                                                                                                                     |                |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          |
| HIST 1493 Am. History since 1877                                                                                                           | 3 hours           |                                                                                                                                     |                |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          |
| (with other taken as part of Gen Ed Courses above)                                                                                         |                   |                                                                                                                                     |                |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          |
| GEOG 2253 World Regional Geography                                                                                                         | 3 hours           |                                                                                                                                     |                |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          |
| Substitutions may be made with prior approval.                                                                                             |                   |                                                                                                                                     |                |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          |
| <b>RECOMMENDED PROGRAM ELECTIVE COURSES</b>                                                                                                | 11-12 TOTAL HOURS |                                                                                                                                     |                |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          |
| CRMJ 1113 Criminal Justice                                                                                                                 | 3 hours           |                                                                                                                                     |                |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          |
| ECON 2113 Macroeconomic Principles                                                                                                         | 3 hours           |                                                                                                                                     |                |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          |
| ECON 2123 Microeconomic Principles                                                                                                         | 3 hours           |                                                                                                                                     |                |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          |
| HIST Any Additional History                                                                                                                | 3 hours           |                                                                                                                                     |                |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          |
| POLI 2113 Comparative Political Issues                                                                                                     | 3 hours           |                                                                                                                                     |                |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          |
| SOCI 2223 Social Problems                                                                                                                  | 3 hours           |                                                                                                                                     |                |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          |
| SOCI 2013 Marriage/Family                                                                                                                  | 3 hours           |                                                                                                                                     |                |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          |
| SPCH1713 Intro to Oral Communication                                                                                                       | 3 hours           |                                                                                                                                     |                |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          |
| HPET 1113 Nutrition (OR)                                                                                                                   |                   |                                                                                                                                     |                |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          |
| 1223 Health, Education, and Wellness                                                                                                       | 2-3 hours         |                                                                                                                                     |                |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          |
| (OR) 2212 First Aid                                                                                                                        |                   |                                                                                                                                     |                |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          |
| Note: Consideration should be given to foreign language and additional humanities to meet the requirements of many baccalaureate degrees.  |                   | This is a suggested sequence timeline only. A student may require more than four semesters to complete an Associate in Arts degree. |                |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          |
| <b>TOTAL CREDIT HOURS</b>                                                                                                                  | 60                |                                                                                                                                     |                |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          |

**SOCIAL SCIENCE – BEHAVIORAL SCIENCE OPTION**

(Note: Program requirements for this degree are offered on NOC Enid, NOC Stillwater, and NOC Tonkawa campuses..

At the beginning of each course listing, the four letter abbreviation indicates the department and the four digits indicate the course code used for enrollment. The total course hour value follows each.)

| PROGRAM REQUIREMENTS                                                                                                                       |                   | SUGGESTED COURSE SEQUENCE                        |                | This suggested curriculum includes degree requirements and courses that are usually completed in the first two years of a four-year curriculum. Consult with the university or college of your choice and its catalog curriculum as you make plans on where to transfer. Be careful to select the courses that will meet all requirements for both the Associate and Baccalaureate degree programs. |
|--------------------------------------------------------------------------------------------------------------------------------------------|-------------------|--------------------------------------------------|----------------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
|                                                                                                                                            | Credit Hours      |                                                  | Credit Hours   |                                                                                                                                                                                                                                                                                                                                                                                                     |
| <b>GENERAL EDUCATION COURSES</b>                                                                                                           | 37 TOTAL HOURS    | <b>FIRST SEMESTER</b>                            | 16 TOTAL HOURS | The social sciences, in general, are concerned use varying perspectives to discuss the behavior of people. Behavioral scientists seek to understand why people do what they do. This degree program will prepare students to pursue any of the degrees within the field of Behavioral Sciences— Psychology, Sociology, Social Psychology, or Social Work.                                           |
| <b>ENGLISH COMPOSITION COURSES</b>                                                                                                         |                   | ENGL 1113 English Composition I                  | 3 hours        |                                                                                                                                                                                                                                                                                                                                                                                                     |
| ENGL 1113 English Composition I                                                                                                            | 3 hours           | MATH 1493 Math Applications                      | 3 hours        | Career Opportunities                                                                                                                                                                                                                                                                                                                                                                                |
| ENGL 1213 English Composition II                                                                                                           | 3 hours           | (OR) MATH 1513 College Algebra                   | 3 hours        |                                                                                                                                                                                                                                                                                                                                                                                                     |
| <b>HISTORY AND GOVERNMENT COURSES</b>                                                                                                      |                   | ORNT 1101 Freshman Orientation                   | 1 hour         | • Business                                                                                                                                                                                                                                                                                                                                                                                          |
| HIST 1483 American History to 1877                                                                                                         |                   | BSAD 1113 Digital/Financial Literacy             | 3 hours        |                                                                                                                                                                                                                                                                                                                                                                                                     |
| (OR) HIST 1493 American History Since 1877                                                                                                 | 3 hours           | PSYC 1113 General Psychology                     | 3 hours        | • Counselor                                                                                                                                                                                                                                                                                                                                                                                         |
| POLI 1113 American Government                                                                                                              | 3 hours           | POLI 1113 American Government                    | 3 hours        |                                                                                                                                                                                                                                                                                                                                                                                                     |
| <b>HUMANITIES COURSES</b>                                                                                                                  |                   | <b>SECOND SEMESTER</b>                           | 16 TOTAL HOURS | • Social Services                                                                                                                                                                                                                                                                                                                                                                                   |
| Electives                                                                                                                                  | 6 hours           | ENGL 1213 English Composition II                 | 3 hours        |                                                                                                                                                                                                                                                                                                                                                                                                     |
| One 3 hour course to be chosen from those listed with the International Dimension and 3 hours of humanities electives.                     |                   | HIST 1483 American History to 1877               |                | • Psychologist                                                                                                                                                                                                                                                                                                                                                                                      |
| <b>MATHEMATICS COURSES</b>                                                                                                                 |                   | (OR) HIST 1493 American History Since 1877       | 3 hours        |                                                                                                                                                                                                                                                                                                                                                                                                     |
| MATH 1493 Math Applications (OR)                                                                                                           |                   | Science elective                                 | 4 hours        | • Forensics                                                                                                                                                                                                                                                                                                                                                                                         |
| MATH 1513 College Algebra                                                                                                                  | 3 hours           | SOCI 1113 Principles of Sociology                | 3 hours        |                                                                                                                                                                                                                                                                                                                                                                                                     |
| <b>SCIENCE COURSES</b>                                                                                                                     |                   | Recommended Program Elective                     | 3 hours        | • Community Health                                                                                                                                                                                                                                                                                                                                                                                  |
| Two Sciences with Lab                                                                                                                      | 8 hours           | <b>THIRD SEMESTER</b>                            | 16 TOTAL HOURS |                                                                                                                                                                                                                                                                                                                                                                                                     |
| <b>COMPUTER SCIENCE COURSES</b>                                                                                                            |                   | SOCI 2223 Social Problems                        | 3 hours        | • Educational Psychology                                                                                                                                                                                                                                                                                                                                                                            |
| BSAD 1113 Digital/Financial Literacy (or other approved computer course)                                                                   | 3 hours           | Science Elective                                 | 4 hours        |                                                                                                                                                                                                                                                                                                                                                                                                     |
| <b>ORIENTATION COURSES</b>                                                                                                                 |                   | PHIL 2213 Ethics (as Humanities Elective Course) | 3 hours        | • Research                                                                                                                                                                                                                                                                                                                                                                                          |
| ORNT 1101 Freshman Orientation                                                                                                             | 1 hour            | Recommended Program Elective                     | 3 hours        |                                                                                                                                                                                                                                                                                                                                                                                                     |
| <b>GENERAL EDUCATION ELECTIVE COURSES</b>                                                                                                  | 3 hours           | <b>FOURTH SEMESTER</b>                           | 13 TOTAL HOURS |                                                                                                                                                                                                                                                                                                                                                                                                     |
| Select courses from: Language Arts, Natural Sciences, Foreign Languages, Fine Arts, Humanities, Mathematics, Behavioral or Social Sciences |                   | Humanities Elective                              | 3 hours        |                                                                                                                                                                                                                                                                                                                                                                                                     |
| <b>PROGRAM REQUIREMENT COURSES</b>                                                                                                         | 12 TOTAL HOURS    | PSYC 2233 Social Psychology                      | 3 hours        |                                                                                                                                                                                                                                                                                                                                                                                                     |
| PSYC 1113 General Psychology                                                                                                               | 3 hours           | *Program/Gen Ed Electives (2 courses)            | 7 hours        |                                                                                                                                                                                                                                                                                                                                                                                                     |
| SOCI 1113 Principles of Sociology                                                                                                          | 3 hours           |                                                  |                |                                                                                                                                                                                                                                                                                                                                                                                                     |
| PSYC 2233 Social Psychology                                                                                                                | 3 hours           |                                                  |                |                                                                                                                                                                                                                                                                                                                                                                                                     |
| SOCI 2223 Social Problems                                                                                                                  | 3 hours           |                                                  |                |                                                                                                                                                                                                                                                                                                                                                                                                     |
| Substitutions may be made with prior approval.                                                                                             |                   |                                                  |                |                                                                                                                                                                                                                                                                                                                                                                                                     |
| <b>RECOMMENDED PROGRAM ELECTIVE COURSES</b>                                                                                                | 11-12 TOTAL HOURS |                                                  |                |                                                                                                                                                                                                                                                                                                                                                                                                     |
| MATH 2023 Elementary Statistics                                                                                                            | 3 hours           |                                                  |                |                                                                                                                                                                                                                                                                                                                                                                                                     |
| PSYC 2213 Development Psychology                                                                                                           | 3 hours           |                                                  |                |                                                                                                                                                                                                                                                                                                                                                                                                     |
| PSYC 2113 Human Sexuality                                                                                                                  | 3 hours           |                                                  |                |                                                                                                                                                                                                                                                                                                                                                                                                     |
| SOCI 2013 Marriage and Family                                                                                                              | 3 hours           |                                                  |                |                                                                                                                                                                                                                                                                                                                                                                                                     |
| PSYC 2333 Intro to Addictive Behaviors                                                                                                     |                   |                                                  |                |                                                                                                                                                                                                                                                                                                                                                                                                     |
| CRMJ 1113 Intro to Criminal Justice                                                                                                        | 3 hours           |                                                  |                |                                                                                                                                                                                                                                                                                                                                                                                                     |
| CRMJ 2233 Juvenile Delinquency                                                                                                             | 3 hours           |                                                  |                |                                                                                                                                                                                                                                                                                                                                                                                                     |
| SPCH 1713 Intro to Oral Communications                                                                                                     | 3 hours           |                                                  |                |                                                                                                                                                                                                                                                                                                                                                                                                     |
| HPET 1113 Nutrition (OR)                                                                                                                   | 3 hours           |                                                  |                |                                                                                                                                                                                                                                                                                                                                                                                                     |
| 1223 Health, Education, and Wellness (OR) 2212 First Aid                                                                                   |                   |                                                  |                |                                                                                                                                                                                                                                                                                                                                                                                                     |
| <b>TOTAL CREDIT HOURS</b>                                                                                                                  |                   | <b>TOTAL CREDIT HOURS</b>                        |                |                                                                                                                                                                                                                                                                                                                                                                                                     |
| 60                                                                                                                                         |                   | 60                                               |                |                                                                                                                                                                                                                                                                                                                                                                                                     |

Note: Consideration should be given to foreign language and additional humanities to meet the requirements of many baccalaureate degrees.

\* Hours from recommended program electives and general education electives in Social Sciences may be combined for final 7 hours required to graduate.

This is a suggested sequence timeline only. A student may require more than four semesters to complete an Associate in Arts degree.

NOC evaluates students for placement into either foundational or college-level courses, whichever will lead to the greatest possibility of student success. Academic placement is determined either by A C T test scores or by Accuplacer test scores. These tests are administered in the Testing Center at NOC. Based upon the scores, students may be required to take one or more courses for remediation in English, Math, or Reading, either prior to or concurrent with credit courses. See the NOC testing web page by clicking on the following link: ACT | Northern Oklahoma College (<http://www.noc.edu/act>) for placement guidelines.



(Note: Program requirements for this degree are offered on NOC Enid, NOC Fountain Square-Stillwater, and NOC Tonkawa campuses.. At the beginning of each course listing, the four letter abbreviation indicates the department and the four digits indicate the course code used for enrollment. The total course hour value follows each.)

60



**NORTHERN**  
Oklahoma College  
TONKAWA | ENID | STILLWATER

**Associate in Science Degrees**

(Individual degree sheets follow listing below)

- Agricultural Sciences
- Agricultural Sciences-Agriculture Business Option
- Agricultural Sciences-Agriculture Communications Option
- Agricultural Sciences-Plant and Soil Sciences Option
- Agricultural Sciences-Pre-Vet Option
- Arts and Sciences—General Studies Option
- Arts and Sciences—International Studies Option
- Biological Sciences
- Biological Sciences-Pre-Medicine Option
- Biological Sciences-Pre-Pharmacy Option
- Business Administration
- Business Administration—International Business Option
- Business Administration—MIS Option
- Computer Science, Pre-Professional
- Enterprise Development—Business Administration Option
- Enterprise Development—General Studies Option
- Health, Physical Education, and Recreation
- Health, Physical Education, and Recreation—Athletic Training Option
- Health, Physical Education, and Recreation—Personal Trainer Option
- Mathematics and Physical Science
- Mathematics and Physical Science-Astronomy Option
- Mathematics and Physical Science-Chemistry/Physics Option
- Mathematics and Physical Science-Mathematics Option
- Mathematics and Physical Science-Pre-Engineering Option
- Nursing, Pre-Baccalaureate, Pre-Professional Option

**AGRICULTURAL SCIENCES**

(Note: Program requirements for this degree are offered on NOC Tonkawa campus only.

At the beginning of each course listing, the four letter abbreviation indicates the department and the four digits indicate the course code used for enrollment. The total course hour value follows each.)

| PROGRAM REQUIREMENTS                                                                                                                                                                                                   |                | SUGGESTED COURSE SEQUENCE                                 |                |
|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|----------------|-----------------------------------------------------------|----------------|
|                                                                                                                                                                                                                        | Credit Hours   |                                                           | Credit Hours   |
| <b>GENERAL EDUCATION COURSES</b>                                                                                                                                                                                       | 37 TOTAL HOURS | <b>FIRST SEMESTER</b>                                     | 15 TOTAL HOURS |
| ENGLISH COMPOSITION COURSES                                                                                                                                                                                            |                | ENGL 1113 English Composition I                           | 3 hours        |
| ENGL 1113 English Composition I                                                                                                                                                                                        | 3 hours        | MATH 1493 Math Applications (OR)                          |                |
| ENGL 1213 English Composition II                                                                                                                                                                                       | 3 hours        | MATH 1513 College Algebra                                 | 3 hours        |
| <b>HISTORY AND GOVERNMENT COURSES</b>                                                                                                                                                                                  |                | ORNT 1101 Freshman Orientation                            | 1 hour         |
| HIST 1483 American History to 1877                                                                                                                                                                                     |                | AGRI 1124 Intro to Animal Sciences                        | 4 hours        |
| (OR) HIST 1493 American History Since 1877                                                                                                                                                                             | 3 hours        | BISI 1114 General Biology (OR)                            |                |
| POLI 1113 American Government                                                                                                                                                                                          | 3 hours        | BISI 1124 Gen Bio for Majors                              | 4 hours        |
| <b>HUMANITIES COURSES</b>                                                                                                                                                                                              |                | <b>SECOND SEMESTER</b>                                    | 16 TOTAL HOURS |
| Electives                                                                                                                                                                                                              | 6 hours        | ENGL 1213 English Composition II                          | 3 hours        |
| One 3 hour course to be chosen from those listed with the International Dimension and 3 hours of humanities electives.                                                                                                 |                | HIST 1483 American History to 1877                        |                |
| <b>MATHEMATICS COURSES</b>                                                                                                                                                                                             |                | (OR) HIST 1493 American History Since 1877                | 3 hours        |
| MATH 1493 Math Applications (OR)                                                                                                                                                                                       |                | BSAD 1113 Digital/Financial Literacy                      | 3 hours        |
| MATH 1513 College Algebra                                                                                                                                                                                              | 3 hours        | CHEM 1014 Concepts in Chemistry                           | 4 hours        |
| <b>SCIENCE COURSES</b>                                                                                                                                                                                                 |                | (OR) CHEM 1314 General Chemistry I                        |                |
| BISI 1114 General Biology (OR)                                                                                                                                                                                         |                | SPCH 1713 Intro to Oral Communications (program elective) | 3 hours        |
| BISI 1124 Gen Bio for Majors                                                                                                                                                                                           | 4 hours        | <b>THIRD SEMESTER</b>                                     | 14 TOTAL HOURS |
| CHEM 1014 Concepts of Chemistry                                                                                                                                                                                        |                | Humanities Elective                                       | 3 hours        |
| (OR) CHEM 1314 General Chemistry I                                                                                                                                                                                     | 4 hours        | POLI 1113 American Government                             | 3 hours        |
| <b>COMPUTER SCIENCE COURSES</b>                                                                                                                                                                                        |                | AGRI 1113 Agricultural Economics                          | 3 hours        |
| BSAD 1113 Digital/Financial Literacy                                                                                                                                                                                   | 3 hours        | AGRI 1223 Intro to Plant/Soil Science                     | 3 hours        |
| (or other approved computer course)                                                                                                                                                                                    |                | AGRI 2222 Live Animal Evaluation                          | 2 hours        |
| <b>ORIENTATION COURSES</b>                                                                                                                                                                                             |                | <b>FOURTH SEMESTER</b>                                    | 15 TOTAL HOURS |
| ORNT 1101 Freshman Orientation                                                                                                                                                                                         | 1 hour         | Humanities Elective                                       | 3 hours        |
| <b>GENERAL EDUCATION ELECTIVE COURSES</b>                                                                                                                                                                              | 4 hours        | AGRI 2124 Fundamentals of Soil Science                    | 4 hours        |
| Select courses from: Language Arts, Natural Sciences, Foreign Languages, Fine Arts, Humanities, Mathematics, Behavioral or Social Sciences.                                                                            |                | *Program/Gen Ed Electives (2-3 courses)                   | 8 hours        |
| <i>It is advised that if a student takes a three credit hour course to apply to this requirement, the fourth credit hour may be counted from the overage hours taken from the Recommended Program electives below.</i> |                |                                                           |                |
| <b>PROGRAM REQUIREMENT COURSES</b>                                                                                                                                                                                     | 16 TOTAL HOURS |                                                           |                |
| **AGRI 1113 Agriculture Economics                                                                                                                                                                                      | 3 hours        |                                                           |                |
| **AGRI 1124 Intro to Animal Science                                                                                                                                                                                    | 4 hours        |                                                           |                |
| **AGRI 1223 Intro to Plant/Soil Science                                                                                                                                                                                | 3 hours        |                                                           |                |
| **AGRI 2124 Fund of Soil Science                                                                                                                                                                                       | 4 hours        |                                                           |                |
| **AGRI 2222 Live Animal Evaluation                                                                                                                                                                                     | 2 hours        |                                                           |                |
| <i>Substitutions may be made with prior approval.</i>                                                                                                                                                                  |                |                                                           |                |
| <b>RECOMMENDED PROGRAM ELECTIVE COURSES</b>                                                                                                                                                                            | 7 TOTAL HOURS  |                                                           |                |
| **BISI 1314 General Botany                                                                                                                                                                                             | 4 hours        |                                                           |                |
| **BISI 1414 General Zoology                                                                                                                                                                                            | 4 hours        |                                                           |                |
| **BISI 2024 Entomology                                                                                                                                                                                                 | 4 hours        |                                                           |                |
| SPCH 1713 Intro to Oral Communication                                                                                                                                                                                  | 3 hours        |                                                           |                |
| ACCT 2103 Accounting I-Financial                                                                                                                                                                                       | 3 hours        |                                                           |                |
| ACCT 2203 Accounting II-Managerial                                                                                                                                                                                     | 3 hours        |                                                           |                |
| AGRI 1013 Introduction to Horticulture                                                                                                                                                                                 | 3 hours        |                                                           |                |
| **AGRI 2103 Agriculture Leadership                                                                                                                                                                                     | 3 hours        |                                                           |                |
| **AGRI 2123 Livestock Feeding                                                                                                                                                                                          | 3 hours        |                                                           |                |
| AGRI 2523 Intro to Sheep Prod. & Mgmt                                                                                                                                                                                  | 3 hours        |                                                           |                |
| MATH 2023 Elementary Statistics                                                                                                                                                                                        | 3 hours        |                                                           |                |
| <b>TOTAL CREDIT HOURS</b>                                                                                                                                                                                              | <b>60</b>      |                                                           |                |

**This Associate in Science degree program in Agricultural Sciences consists of 60 hours designed to provide the student with the first two years of general requirements.**

**The program is designed for seamless transfer to the Bachelor in Science degree in Agriculture Education, Animal Science, Animal Production, or Agriculture Ecology and includes courses generally completed in the first two years of a baccalaureate degree program.**

**Students should consult the catalog of the college or university to which they plan to transfer and carefully select courses which will meet requirements for both associate and bachelor's degree programs.**

**The agricultural sciences program prepares students interested in animal science, animal production, agribusiness, food science, and agriculture education for transfer to four-year institutions. The foundations of scientific- and business-based agricultural practices are explored.**

#### **Career Opportunities**

##### **• Animal Production**

NOC evaluates students for placement into either foundational or college-level courses, whichever will lead to the greatest possibility of student success. Academic placement is determined either by A C T test scores or by Accuplacer test scores. These tests are administered in the Testing Center at NOC. Based upon the scores, students may be required to take one or more courses for remediation in English, Math, or Reading, either prior to or concurrent with credit courses. See the NOC testing web page by clicking on the following link: ACT | Northern Oklahoma College (<http://www.noc.edu/act>) for placement guidelines.

This is a suggested sequence timeline only. A student may require more than four semesters to complete an Associate in Science degree.

\* Hours from recommended program electives and general education electives in Science may be combined for final 8 hours required to graduate.

\*\*These program courses are typically offered only once a year. See course descriptions for fall or spring designations and plan accordingly.

**AGRICULTURAL SCIENCES – AGRICULTURE BUSINESS OPTION**

(Note: Program requirements for this degree are offered on NOC Tonkawa campus only.

At the beginning of each course listing, the four letter abbreviation indicates the department and the four digits indicate the course code used for enrollment. The total course hour value follows each.)

| PROGRAM REQUIREMENTS                                                                                                                                                                                                   |                | SUGGESTED COURSE SEQUENCE                  |                | This Associate in Science degree program in Agricultural Sciences consists of 60 hours designed to provide the student with the first two years of general requirements.                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 |
|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|----------------|--------------------------------------------|----------------|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
|                                                                                                                                                                                                                        | Credit Hours   |                                            | Credit Hours   |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          |
| <b>GENERAL EDUCATION COURSES</b>                                                                                                                                                                                       | 37 TOTAL HOURS | <b>FIRST SEMESTER</b>                      | 15 TOTAL HOURS | The program is designed for seamless transfer to the Bachelor in Science degree in Agriculture Education, Animal Science, Animal Production, or Agriculture Ecology and includes courses generally completed in the first two years of a baccalaureate degree program.                                                                                                                                                                                                                                                                                                                                                                                                                   |
| ENGLISH COMPOSITION COURSES                                                                                                                                                                                            |                | ENGL 1113 English Composition I            | 3 hours        |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          |
| ENGL 1113 English Composition I                                                                                                                                                                                        | 3 hours        | MATH 1493 Math Applications (OR)           |                | Students should consult the catalog of the college or university to which they plan to transfer and carefully select courses which will meet requirements for both associate and bachelor's degree programs.                                                                                                                                                                                                                                                                                                                                                                                                                                                                             |
| ENGL 1213 English Composition II                                                                                                                                                                                       | 3 hours        | MATH 1513 College Algebra                  | 3 hours        |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          |
| <b>HISTORY AND GOVERNMENT COURSES</b>                                                                                                                                                                                  |                | ORNT 1101 Freshman Orientation             | 1 hour         | The agricultural sciences program prepares students interested in animal science, animal production, agribusiness, food science, and agriculture education for transfer to four-year institutions. The foundations of scientific- and business-based agricultural practices are explored.                                                                                                                                                                                                                                                                                                                                                                                                |
| HIST 1483 American History to 1877                                                                                                                                                                                     |                | AGRI 1124 Intro to Animal Sciences         | 4 hours        |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          |
| (OR) HIST 1493 American History Since 1877                                                                                                                                                                             | 3 hours        | BISI 1114 General Biology (OR)             |                | Career Opportunities                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     |
| POLI 1113 American Government                                                                                                                                                                                          | 3 hours        | BISI 1124 Gen Bio for Majors               | 4 hours        |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          |
| <b>HUMANITIES COURSES</b>                                                                                                                                                                                              |                | <b>SECOND SEMESTER</b>                     | 16 TOTAL HOURS | NOC evaluates students for placement into either foundational or college-level courses, whichever will lead to the greatest possibility of student success. Academic placement is determined either by A C T test scores or by Accuplacer test scores. These tests are administered in the Testing Center at NOC. Based upon the scores, students may be required to take one or more courses for remediation in English, Math, or Reading, either prior to or concurrent with credit courses. See the NOC testing web page by clicking on the following link: ACT   Northern Oklahoma College ( <a href="http://www.noc.edu/act">http://www.noc.edu/act</a> ) for placement guidelines. |
| Electives                                                                                                                                                                                                              | 6 hours        | ENGL 1213 English Composition II           | 3 hours        |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          |
| One 3 hour course to be chosen from those listed with the International Dimension and 3 hours of humanities electives.                                                                                                 |                | HIST 1483 American History to 1877         |                | • Animal Production                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      |
| <b>MATHEMATICS COURSES</b>                                                                                                                                                                                             |                | (OR) HIST 1493 American History Since 1877 | 3 hours        |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          |
| MATH 1493 Math Applications (OR)                                                                                                                                                                                       |                | BSAD 1113 Digital/Financial Literacy       | 3 hours        |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          |
| MATH 1513 College Algebra                                                                                                                                                                                              | 3 hours        | CHEM 1014 Concepts in Chemistry            |                |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          |
| <b>SCIENCE COURSES</b>                                                                                                                                                                                                 |                | (OR) CHEM 1314 General Chemistry I         | 4 hours        |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          |
| BISI 1114 General Biology (OR)                                                                                                                                                                                         |                | SPCH 1713 Intro to Oral Communications     | 3 hours        |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          |
| BISI 1124 Gen Bio for Majors                                                                                                                                                                                           | 4 hours        | <b>THIRD SEMESTER</b>                      | 15 TOTAL HOURS |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          |
| CHEM 1014 Concepts of Chemistry                                                                                                                                                                                        |                | Humanities Elective                        | 3 hours        |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          |
| (OR) CHEM 1314 General Chemistry I                                                                                                                                                                                     | 4 hours        | POLI 1113 American Government              | 3 hours        |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          |
| <b>COMPUTER SCIENCE COURSES</b>                                                                                                                                                                                        |                | AGRI 1113 Agricultural Economics           | 3 hours        |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          |
| BSAD 1113 Digital/Financial Literacy                                                                                                                                                                                   | 3 hours        | AGRI 1223 Intro to Plant/Soil Science      | 3 hours        |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          |
| (or other approved computer course)                                                                                                                                                                                    |                | ACCT 2103 Accounting I-Financial           | 3 hours        |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          |
| <b>ORIENTATION COURSES</b>                                                                                                                                                                                             |                | <b>FOURTH SEMESTER</b>                     | 14 TOTAL HOURS |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          |
| ORNT 1101 Freshman Orientation                                                                                                                                                                                         | 1 hour         | Humanities Elective                        | 3 hours        |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          |
| <b>GENERAL EDUCATION ELECTIVE COURSES</b>                                                                                                                                                                              | 4 hours        | ACCT 2203 Accounting II-Managerial         | 3 hours        |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          |
| Select courses from: Language Arts, Natural Sciences, Foreign Languages, Fine Arts, Humanities, Mathematics, Behavioral or Social Sciences.                                                                            |                | *Program/Gen Ed Electives                  | 8 hours        |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          |
| <i>It is advised that if a student takes a three credit hour course to apply to this requirement, the fourth credit hour may be counted from the overage hours taken from the Recommended Program electives below.</i> |                | (2-3 courses)                              |                |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          |
| <b>PROGRAM REQUIREMENT COURSES</b>                                                                                                                                                                                     | 16 TOTAL HOURS |                                            |                |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          |
| **AGRI 1113 Agriculture Economics                                                                                                                                                                                      | 3 hours        |                                            |                |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          |
| **AGRI 1124 Intro to Animal Science                                                                                                                                                                                    | 4 hours        |                                            |                |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          |
| **AGRI 1223 Intro to Plant/Soil Science                                                                                                                                                                                | 3 hours        |                                            |                |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          |
| ACCT 2103 Accounting I-Financial                                                                                                                                                                                       | 3 hours        |                                            |                |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          |
| ACCT 2203 Accounting II-Managerial                                                                                                                                                                                     | 3 hours        |                                            |                |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          |
| Substitutions may be made with prior approval.                                                                                                                                                                         |                |                                            |                |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          |
| <b>RECOMMENDED PROGRAM ELECTIVE COURSES</b>                                                                                                                                                                            | 7 TOTAL HOURS  |                                            |                |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          |
| **BISI 1314 General Botany                                                                                                                                                                                             | 4 hours        |                                            |                |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          |
| **BISI 1414 General Zoology                                                                                                                                                                                            | 4 hours        |                                            |                |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          |
| **BISI 2024 Entomology                                                                                                                                                                                                 | 4 hours        |                                            |                |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          |
| SPCH 1713 Intro to Oral Communication                                                                                                                                                                                  | 3 hours        |                                            |                |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          |
| AGRI 1013 Introduction to Horticulture                                                                                                                                                                                 | 3 hours        |                                            |                |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          |
| **AGRI 2103 Agriculture Leadership                                                                                                                                                                                     | 3 hours        |                                            |                |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          |
| **AGRI 2123 Livestock Feeding                                                                                                                                                                                          | 3 hours        |                                            |                |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          |
| **AGRI 2222 Live Animal Evaluation                                                                                                                                                                                     | 2 hours        |                                            |                |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          |
| AGRI 2523 Intro to Sheep Prod. & Mgmt                                                                                                                                                                                  | 3 hours        |                                            |                |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          |
| MATH 2023 Elementary Statistics                                                                                                                                                                                        | 3 hours        |                                            |                |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          |
| <b>TOTAL CREDIT HOURS</b>                                                                                                                                                                                              | 60             |                                            |                |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          |

This is a suggested sequence timeline only. A student may require more than four semesters to complete an Associate in Science degree.

\* Hours from recommended program electives and general education electives in Science may be combined for final 8 hours required to graduate.

\*\*These program courses are typically offered only once a year. See course descriptions for fall or spring designations and plan accordingly.



**AGRICULTURAL SCIENCES – AGRICULTURE COMMUNICATIONS OPTION**

(Note: Program requirements for this degree are offered on NOC Tonkawa campus only.

At the beginning of each course listing, the four letter abbreviation indicates the department and the four digits indicate the course code used for enrollment. The total course hour value follows each.)

| PROGRAM REQUIREMENTS                                                                                                                                                                                                   |                | SUGGESTED COURSE SEQUENCE                                                                                                              |                | This Associate in Science degree program in Agricultural Sciences consists of 60 hours designed to provide the student with the first two years of general requirements.                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 |
|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|----------------|----------------------------------------------------------------------------------------------------------------------------------------|----------------|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
|                                                                                                                                                                                                                        | Credit Hours   |                                                                                                                                        | Credit Hours   |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          |
| <b>GENERAL EDUCATION COURSES</b>                                                                                                                                                                                       | 37 TOTAL HOURS | <b>FIRST SEMESTER</b>                                                                                                                  | 15 TOTAL HOURS | The program is designed for seamless transfer to the Bachelor in Science degree in Agriculture Education, Animal Science, Animal Production, or Agriculture Ecology and includes courses generally completed in the first two years of a baccalaureate degree program.                                                                                                                                                                                                                                                                                                                                                                                                                   |
| ENGLISH COMPOSITION COURSES                                                                                                                                                                                            |                | ENGL 1113 English Composition I                                                                                                        | 3 hours        |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          |
| ENGL 1113 English Composition I                                                                                                                                                                                        | 3 hours        | MATH 1493 Math Applications (OR)                                                                                                       |                | Students should consult the catalog of the college or university to which they plan to transfer and carefully select courses which will meet requirements for both associate and bachelor's degree programs.                                                                                                                                                                                                                                                                                                                                                                                                                                                                             |
| ENGL 1213 English Composition II                                                                                                                                                                                       | 3 hours        | MATH 1513 College Algebra                                                                                                              | 3 hours        |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          |
| <b>HISTORY AND GOVERNMENT COURSES</b>                                                                                                                                                                                  |                | ORNT 1101 Freshman Orientation                                                                                                         | 1 hour         | The agricultural sciences program prepares students interested in animal science, animal production, agribusiness, food science, and agriculture education for transfer to four-year institutions. The foundations of scientific- and business-based agricultural practices are explored.                                                                                                                                                                                                                                                                                                                                                                                                |
| HIST 1483 American History to 1877 (OR) HIST 1493 American History Since 1877                                                                                                                                          | 3 hours        | AGRI 1124 Intro to Animal Sciences                                                                                                     | 4 hours        |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          |
| POLI 1113 American Government                                                                                                                                                                                          | 3 hours        | BISI 1114 General Biology (OR)                                                                                                         |                | <b>Career Opportunities</b><br>• Animal Production                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       |
| <b>HUMANITIES COURSES</b>                                                                                                                                                                                              |                | BISI 1124 Gen Bio for Majors                                                                                                           | 4 hours        |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          |
| Electives                                                                                                                                                                                                              | 6 hours        | <b>SECOND SEMESTER</b>                                                                                                                 | 16 TOTAL HOURS | NOC evaluates students for placement into either foundational or college-level courses, whichever will lead to the greatest possibility of student success. Academic placement is determined either by A C T test scores or by Accuplacer test scores. These tests are administered in the Testing Center at NOC. Based upon the scores, students may be required to take one or more courses for remediation in English, Math, or Reading, either prior to or concurrent with credit courses. See the NOC testing web page by clicking on the following link: ACT   Northern Oklahoma College ( <a href="http://www.noc.edu/act">http://www.noc.edu/act</a> ) for placement guidelines. |
| One 3 hour course to be chosen from those listed with the International Dimension and 3 hours of humanities electives.                                                                                                 |                | ENGL 1213 English Composition II                                                                                                       | 3 hours        |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          |
| <b>MATHEMATICS COURSES</b>                                                                                                                                                                                             |                | HIST 1483 American History to 1877 (OR) HIST 1493 American History Since 1877                                                          | 3 hours        |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          |
| MATH 1493 Math Applications (OR)                                                                                                                                                                                       |                | BSAD 1113 Digital/Financial Literacy                                                                                                   | 3 hours        |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          |
| MATH 1513 College Algebra                                                                                                                                                                                              | 3 hours        | CHEM 1014 Concepts in Chemistry (OR) CHEM 1314 General Chemistry I                                                                     | 4 hours        |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          |
| <b>SCIENCE COURSES</b>                                                                                                                                                                                                 |                | *Program/Gen Ed Electives                                                                                                              | 3 hours        |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          |
| BISI 1114 General Biology (OR)                                                                                                                                                                                         |                | <b>THIRD SEMESTER</b>                                                                                                                  | 15 TOTAL HOURS |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          |
| BISI 1124 Gen Bio for Majors                                                                                                                                                                                           | 4 hours        | Humanities Elective                                                                                                                    | 3 hours        |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          |
| CHEM 1014 Concepts of Chemistry (OR) CHEM 1314 General Chemistry I                                                                                                                                                     | 4 hours        | POLI 1113 American Government                                                                                                          | 3 hours        |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          |
| <b>COMPUTER SCIENCE COURSES</b>                                                                                                                                                                                        |                | AGRI 1113 Agricultural Economics                                                                                                       | 3 hours        |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          |
| BSAD 1113 Digital/Financial Literacy (or other approved computer course)                                                                                                                                               | 3 hours        | AGRI 1223 Intro to Plant/Soil Science                                                                                                  | 3 hours        |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          |
| <b>ORIENTATION COURSES</b>                                                                                                                                                                                             |                | SPCH 1713 Intro to Oral Communications (program elective)                                                                              | 3 hours        |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          |
| ORNT 1101 Freshman Orientation                                                                                                                                                                                         | 1 hour         | <b>FOURTH SEMESTER</b>                                                                                                                 | 14 TOTAL HOURS |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          |
| <b>GENERAL EDUCATION ELECTIVE COURSES</b>                                                                                                                                                                              | 4 hours        | Humanities Elective                                                                                                                    | 3 hours        |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          |
| Select courses from: Language Arts, Natural Sciences, Foreign Languages, Fine Arts, Humanities, Mathematics, Behavioral or Social Sciences.                                                                            |                | ACCT 2103 Accounting I-Financial                                                                                                       | 3 hours        |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          |
| <i>It is advised that if a student takes a three credit hour course to apply to this requirement, the fourth credit hour may be counted from the overage hours taken from the Recommended Program electives below.</i> |                | *Program/Gen Ed Electives (2-3 courses)                                                                                                | 8 hours        |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          |
| <b>PROGRAM REQUIREMENT COURSES</b>                                                                                                                                                                                     | 16 TOTAL HOURS | This is a suggested sequence timeline only. A student may require more than four semesters to complete an Associate in Science degree. |                |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          |
| **AGRI 1113 Agriculture Economics                                                                                                                                                                                      | 3 hours        |                                                                                                                                        |                |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          |
| **AGRI 1124 Intro to Animal Science                                                                                                                                                                                    | 4 hours        |                                                                                                                                        |                |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          |
| **AGRI 1223 Intro to Plant/Soil Science                                                                                                                                                                                | 3 hours        |                                                                                                                                        |                |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          |
| ACCT 2103 Accounting I-Financial                                                                                                                                                                                       | 3 hours        |                                                                                                                                        |                |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          |
| SPCH 1713 Intro to Oral Communications                                                                                                                                                                                 | 3 hours        |                                                                                                                                        |                |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          |
| Substitutions may be made with prior approval.                                                                                                                                                                         |                |                                                                                                                                        |                |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          |
| <b>RECOMMENDED PROGRAM ELECTIVE COURSES</b>                                                                                                                                                                            | 7 TOTAL HOURS  |                                                                                                                                        |                |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          |
| **BISI 1314 General Botany                                                                                                                                                                                             | 4 hours        |                                                                                                                                        |                |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          |
| **BISI 1414 General Zoology                                                                                                                                                                                            | 4 hours        |                                                                                                                                        |                |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          |
| **BISI 2024 Entomology                                                                                                                                                                                                 | 4 hours        |                                                                                                                                        |                |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          |
| ACCT 2203 Accounting II-Managerial                                                                                                                                                                                     | 3 hours        |                                                                                                                                        |                |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          |
| AGRI 1013 Introduction to Horticulture                                                                                                                                                                                 | 3 hours        |                                                                                                                                        |                |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          |
| **AGRI 2103 Agriculture Leadership                                                                                                                                                                                     | 3 hours        |                                                                                                                                        |                |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          |
| **AGRI 2123 Livestock Feeding                                                                                                                                                                                          | 3 hours        |                                                                                                                                        |                |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          |
| **AGRI 2222 Live Animal Evaluation                                                                                                                                                                                     | 2 hours        |                                                                                                                                        |                |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          |
| AGRI 2523 Intro to Sheep Prod. & Mgmt                                                                                                                                                                                  | 3 hours        |                                                                                                                                        |                |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          |
| MATH 2023 Elementary Statistics                                                                                                                                                                                        | 3 hours        |                                                                                                                                        |                |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          |
| <b>TOTAL CREDIT HOURS</b>                                                                                                                                                                                              | <b>60</b>      |                                                                                                                                        |                |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          |

**AGRICULTURAL SCIENCES – PLANT AND SOIL SCIENCES OPTION**

(Note: Program requirements for this degree are offered on NOC Tonkawa campus only.

At the beginning of each course listing, the four letter abbreviation indicates the department and the four digits indicate the course code used for enrollment. The total course hour value follows each.)

| PROGRAM REQUIREMENTS                                                                                                                                                                                            |                | SUGGESTED COURSE SEQUENCE                                 |                | This Associate in Science degree program in Agricultural Sciences consists of 60 hours designed to provide the student with the first two years of general requirements.                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 |
|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|----------------|-----------------------------------------------------------|----------------|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
|                                                                                                                                                                                                                 | Credit Hours   |                                                           | Credit Hours   |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          |
| <b>GENERAL EDUCATION COURSES</b>                                                                                                                                                                                | 37 TOTAL HOURS | <b>FIRST SEMESTER</b>                                     | 15 TOTAL HOURS | The program is designed for seamless transfer to the Bachelor in Science degree in Agriculture Education, Animal Science, Animal Production, or Agriculture Ecology and includes courses generally completed in the first two years of a baccalaureate degree program.                                                                                                                                                                                                                                                                                                                                                                                                                   |
| ENGLISH COMPOSITION COURSES                                                                                                                                                                                     |                | ENGL 1113 English Composition I                           | 3 hours        |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          |
| ENGL 1113 English Composition I                                                                                                                                                                                 | 3 hours        | MATH 1493 Math Applications                               | 3 hours        | Students should consult the catalog of the college or university to which they plan to transfer and carefully select courses which will meet requirements for both associate and bachelor's degree programs.                                                                                                                                                                                                                                                                                                                                                                                                                                                                             |
| ENGL 1213 English Composition II                                                                                                                                                                                | 3 hours        | (OR) MATH 1513 College Algebra                            | 3 hours        |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          |
| <b>HISTORY AND GOVERNMENT COURSES</b>                                                                                                                                                                           |                | ORNT 1101 Freshman Orientation                            | 1 hour         | The agricultural sciences program prepares students interested in animal science, animal production, agribusiness, food science, and agriculture education for transfer to four-year institutions. The foundations of scientific- and business-based agricultural practices are explored.                                                                                                                                                                                                                                                                                                                                                                                                |
| HIST 1483 American History to 1877                                                                                                                                                                              |                | AGRI 1124 Intro to Animal Sciences                        | 4 hours        |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          |
| (OR) HIST 1493 American History Since 1877                                                                                                                                                                      | 3 hours        | BISI 1114 General Biology (OR)                            |                | Career Opportunities                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     |
| POLI 1113 American Government                                                                                                                                                                                   | 3 hours        | BISI 1124 Gen Bio for Majors                              | 4 hours        |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          |
| <b>HUMANITIES COURSES</b>                                                                                                                                                                                       |                | <b>SECOND SEMESTER</b>                                    | 16 TOTAL HOURS | • Animal Production                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      |
| Electives                                                                                                                                                                                                       | 6 hours        | ENGL 1213 English Composition II                          | 3 hours        |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          |
| One 3 hour course to be chosen from those listed with the International Dimension and 3 hours of humanities electives.                                                                                          |                | HIST 1483 American History to 1877                        |                | NOC evaluates students for placement into either foundational or college-level courses, whichever will lead to the greatest possibility of student success. Academic placement is determined either by A C T test scores or by Accuplacer test scores. These tests are administered in the Testing Center at NOC. Based upon the scores, students may be required to take one or more courses for remediation in English, Math, or Reading, either prior to or concurrent with credit courses. See the NOC testing web page by clicking on the following link: ACT   Northern Oklahoma College ( <a href="http://www.noc.edu/act">http://www.noc.edu/act</a> ) for placement guidelines. |
| <b>MATHEMATICS COURSES</b>                                                                                                                                                                                      |                | (OR) HIST 1493 American History Since 1877                | 3 hours        |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          |
| MATH 1493 Math Applications (OR)                                                                                                                                                                                |                | BSAD 1113 Digital/Financial Literacy                      | 3 hours        |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          |
| MATH 1513 College Algebra                                                                                                                                                                                       | 3 hours        | CHEM 1014 Concepts in Chemistry                           |                |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          |
| <b>SCIENCE COURSES</b>                                                                                                                                                                                          |                | (OR) CHEM 1314 General Chemistry I                        | 4 hours        |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          |
| BISI 1114 General Biology (OR)                                                                                                                                                                                  |                | SPCH 1713 Intro to Oral Communications (program elective) | 3 hours        |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          |
| BISI 1124 Gen Bio for Majors                                                                                                                                                                                    | 4 hours        | <b>THIRD SEMESTER</b>                                     | 17 TOTAL HOURS |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          |
| CHEM 1014 Concepts of Chemistry                                                                                                                                                                                 |                | Humanities Elective                                       | 4 hours        |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          |
| (OR) CHEM 1314 General Chemistry I                                                                                                                                                                              | 4 hours        | POLI 1113 American Government                             | 3 hours        |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          |
| <b>COMPUTER SCIENCE COURSES</b>                                                                                                                                                                                 |                | AGRI 1113 Agricultural Economics                          | 3 hours        |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          |
| BSAD 1113 Digital/Financial Literacy (or other approved computer course)                                                                                                                                        | 3 hours        | AGRI 1223 Intro to Plant/Soil Science                     | 3 hours        |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          |
| <b>ORIENTATION COURSES</b>                                                                                                                                                                                      |                | BISI 1314 General Botany                                  | 4 hours        |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          |
| ORNT 1101 Freshman Orientation                                                                                                                                                                                  | 1 hour         | <b>FOURTH SEMESTER</b>                                    | 12 TOTAL HOURS |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          |
| <b>GENERAL EDUCATION ELECTIVE COURSES</b>                                                                                                                                                                       | 4 hours        | Humanities Elective                                       | 3 hours        |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          |
| Select courses from: Language Arts, Natural Sciences, Foreign Languages, Fine Arts, Humanities, Mathematics, Behavioral or Social Sciences.                                                                     |                | AGRI 2124 Fundamentals of Soil Science                    | 4 hours        |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          |
| It is advised that if a student takes a three credit hour course to apply to this requirement, the fourth credit hour may be counted from the overage hours taken from the Recommended Program electives below. |                | *Program/Gen Ed Electives (2 courses)                     | 5 hours        |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          |
| <b>PROGRAM REQUIREMENT COURSES</b>                                                                                                                                                                              | 18 TOTAL HOURS |                                                           |                |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          |
| **AGRI 1113 Agriculture Economics                                                                                                                                                                               | 3 hours        |                                                           |                |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          |
| **AGRI 1124 Intro to Animal Science                                                                                                                                                                             | 4 hours        |                                                           |                |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          |
| **AGRI 1223 Intro to Plant/Soil Science                                                                                                                                                                         | 3 hours        |                                                           |                |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          |
| **AGRI 2124 Fundamentals of Soil Science                                                                                                                                                                        | 4 hours        |                                                           |                |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          |
| **BISI 1314 General Botany                                                                                                                                                                                      | 4 hours        |                                                           |                |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          |
| Substitutions may be made with prior approval.                                                                                                                                                                  |                |                                                           |                |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          |
| <b>RECOMMENDED PROGRAM ELECTIVE COURSES</b>                                                                                                                                                                     | 5 TOTAL HOURS  |                                                           |                |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          |
| **BISI 1414 General Zoology                                                                                                                                                                                     | 4 hours        |                                                           |                |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          |
| **BISI 2024 Entomology                                                                                                                                                                                          | 4 hours        |                                                           |                |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          |
| SPCH 1713 Intro to Oral Communications                                                                                                                                                                          | 3 hours        |                                                           |                |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          |
| ACCT 2103 Accounting I-Financial                                                                                                                                                                                | 3 hours        |                                                           |                |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          |
| ACCT 2203 Accounting II-Managerial                                                                                                                                                                              | 3 hours        |                                                           |                |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          |
| AGRI 1013 Introduction to Horticulture                                                                                                                                                                          | 3 hours        |                                                           |                |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          |
| **AGRI 2103 Agriculture Leadership                                                                                                                                                                              | 3 hours        |                                                           |                |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          |
| **AGRI 2123 Livestock Feeding                                                                                                                                                                                   | 3 hours        |                                                           |                |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          |
| **AGRI 2222 Live Animal Evaluation                                                                                                                                                                              | 2 hours        |                                                           |                |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          |
| AGRI 2523 Intro to Sheep Prod. & Mgmt                                                                                                                                                                           | 3 hours        |                                                           |                |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          |
| MATH 2023 Elementary Statistics                                                                                                                                                                                 | 3 hours        |                                                           |                |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          |
| <b>TOTAL CREDIT HOURS</b>                                                                                                                                                                                       | 60             |                                                           |                |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          |

This is a suggested sequence timeline only. A student may require more than four semesters to complete an Associate in Science degree.

\* Hours from recommended program electives and general education electives in Science may be combined for final 8 hours required to graduate.

\*\*These program courses are typically offered only once a year. See course descriptions for fall or spring designations and plan accordingly.

**AGRICULTURAL SCIENCES – PRE-VET OPTION**

(Note: Program requirements for this degree are offered on NOC Tonkawa campus only.

At the beginning of each course listing, the four letter abbreviation indicates the department and the four digits indicate the course code used for enrollment. The total course hour value follows each.)

| PROGRAM REQUIREMENTS                                                                                                                                                                                                   |                | SUGGESTED COURSE SEQUENCE                                                                                                                     |                | This Associate in Science degree program in Agricultural Sciences consists of 60 hours designed to provide the student with the first two years of general requirements.                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 |
|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|----------------|-----------------------------------------------------------------------------------------------------------------------------------------------|----------------|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
|                                                                                                                                                                                                                        | Credit Hours   |                                                                                                                                               | Credit Hours   |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          |
| <b>GENERAL EDUCATION COURSES</b>                                                                                                                                                                                       | 37 TOTAL HOURS | <b>FIRST SEMESTER</b>                                                                                                                         | 15 TOTAL HOURS | The program is designed for seamless transfer to the Bachelor in Science degree in Agriculture Education, Animal Science, Animal Production, or Agriculture Ecology and includes courses generally completed in the first two years of a baccalaureate degree program.                                                                                                                                                                                                                                                                                                                                                                                                                   |
| ENGLISH COMPOSITION COURSES                                                                                                                                                                                            |                | ENGL 1113 English Composition I                                                                                                               | 3 hours        |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          |
| ENGL 1113 English Composition I                                                                                                                                                                                        | 3 hours        | MATH 1493 Math Applications (OR)                                                                                                              |                | Students should consult the catalog of the college or university to which they plan to transfer and carefully select courses which will meet requirements for both associate and bachelor's degree programs.                                                                                                                                                                                                                                                                                                                                                                                                                                                                             |
| ENGL 1213 English Composition II                                                                                                                                                                                       | 3 hours        | MATH 1513 College Algebra                                                                                                                     | 3 hours        |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          |
| <b>HISTORY AND GOVERNMENT COURSES</b>                                                                                                                                                                                  |                | ORNT 1101 Freshman Orientation                                                                                                                | 1 hour         | The agricultural sciences program prepares students interested in animal science, agribusiness, food science, and agriculture education for transfer to four-year institutions. The foundations of scientific- and business-based agricultural practices are explored.                                                                                                                                                                                                                                                                                                                                                                                                                   |
| HIST 1483 American History to 1877 (OR) HIST 1493 American History Since 1877                                                                                                                                          | 3 hours        | AGRI 1124 Intro to Animal Sciences                                                                                                            | 4 hours        |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          |
| POLI 1113 American Government                                                                                                                                                                                          | 3 hours        | BISI 1114 General Biology (OR)                                                                                                                |                | Career Opportunities                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     |
| <b>HUMANITIES COURSES</b>                                                                                                                                                                                              |                | BISI 1124 Gen Bio for Majors                                                                                                                  | 4 hours        |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          |
| Electives                                                                                                                                                                                                              | 6 hours        | <b>SECOND SEMESTER</b>                                                                                                                        | 17 TOTAL HOURS | • Animal Production                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      |
| One 3 hour course to be chosen from those listed with the International Dimension and 3 hours of humanities electives.                                                                                                 |                | ENGL 1213 English Composition II                                                                                                              | 3 hours        |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          |
| <b>MATHEMATICS COURSES</b>                                                                                                                                                                                             |                | HIST 1483 American History to 1877 (OR) HIST 1493 American History Since 1877                                                                 | 3 hours        | NOC evaluates students for placement into either foundational or college-level courses, whichever will lead to the greatest possibility of student success. Academic placement is determined either by A C T test scores or by Accuplacer test scores. These tests are administered in the Testing Center at NOC. Based upon the scores, students may be required to take one or more courses for remediation in English, Math, or Reading, either prior to or concurrent with credit courses. See the NOC testing web page by clicking on the following link: ACT   Northern Oklahoma College ( <a href="http://www.noc.edu/act">http://www.noc.edu/act</a> ) for placement guidelines. |
| MATH 1493 Math Applications (OR)                                                                                                                                                                                       |                | BSAD 1113 Digital/Financial Literacy                                                                                                          | 3 hours        |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          |
| MATH 1513 College Algebra                                                                                                                                                                                              | 3 hours        | CHEM 1314 General Chemistry I                                                                                                                 | 4 hours        |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          |
| <b>SCIENCE COURSES</b>                                                                                                                                                                                                 |                | Program elective                                                                                                                              | 4 hours        |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          |
| BISI 1114 General Biology (OR)                                                                                                                                                                                         |                | <b>THIRD SEMESTER</b>                                                                                                                         | 16 TOTAL HOURS |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          |
| BISI 1124 Gen Bio for Majors                                                                                                                                                                                           | 4 hours        | Humanities Elective                                                                                                                           | 4 hours        |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          |
| CHEM 1314 General Chemistry I                                                                                                                                                                                          | 4 hours        | POLI 1113 American Government                                                                                                                 | 3 hours        |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          |
| <b>COMPUTER SCIENCE COURSES</b>                                                                                                                                                                                        |                | AGRI 1113 Agricultural Economics                                                                                                              | 3 hours        |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          |
| BSAD 1113 Digital/Financial Literacy (or other approved computer course)                                                                                                                                               | 3 hours        | AGRI 1223 Intro to Plant/Soil Science                                                                                                         | 3 hours        |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          |
| <b>ORIENTATION COURSES</b>                                                                                                                                                                                             |                | BISI 2124 Microbiology                                                                                                                        | 4 hours        |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          |
| ORNT 1101 Freshman Orientation                                                                                                                                                                                         | 1 hour         | <b>FOURTH SEMESTER</b>                                                                                                                        | 12 TOTAL HOURS |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          |
| <b>GENERAL EDUCATION ELECTIVE COURSES</b>                                                                                                                                                                              | 4 hours        | Humanities Elective                                                                                                                           | 3 hours        |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          |
| Select courses from: Language Arts, Natural Sciences, Foreign Languages, Fine Arts, Humanities, Mathematics, Behavioral or Social Sciences.                                                                            |                | CHEM 1414 General Chemistry II                                                                                                                | 4 hours        |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          |
| <i>It is advised that if a student takes a three credit hour course to apply to this requirement, the fourth credit hour may be counted from the overage hours taken from the Recommended Program electives below.</i> |                | *Program/Gen Ed Electives (2 courses)                                                                                                         | 5 hours        |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          |
| <b>PROGRAM REQUIREMENT COURSES</b>                                                                                                                                                                                     | 18 TOTAL HOURS |                                                                                                                                               |                |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          |
| **AGRI 1113 Agriculture Economics                                                                                                                                                                                      | 3 hours        | This is a suggested sequence timeline only. A student may require more than four semesters to complete an Associate in Science degree.        |                |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          |
| **AGRI 1124 Intro to Animal Science                                                                                                                                                                                    | 4 hours        |                                                                                                                                               |                |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          |
| **AGRI 1223 Intro to Plant/Soil Science                                                                                                                                                                                | 3 hours        |                                                                                                                                               |                |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          |
| BISI 2124 Microbiology                                                                                                                                                                                                 | 4 hours        |                                                                                                                                               |                |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          |
| CHEM 1414 General Chemistry II                                                                                                                                                                                         | 4 hours        |                                                                                                                                               |                |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          |
| Substitutions may be made with prior approval.                                                                                                                                                                         |                |                                                                                                                                               |                |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          |
| <b>RECOMMENDED PROGRAM ELECTIVE COURSES</b>                                                                                                                                                                            | 5 TOTAL HOURS  |                                                                                                                                               |                |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          |
| **BISI 1314 General Botany                                                                                                                                                                                             | 4 hours        | * Hours from recommended program electives and general education electives in Science may be combined for final 8 hours required to graduate. |                |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          |
| **BISI 1414 General Zoology                                                                                                                                                                                            | 4 hours        |                                                                                                                                               |                |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          |
| **BISI 2024 Entomology                                                                                                                                                                                                 | 4 hours        |                                                                                                                                               |                |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          |
| SPCH 1713 Intro to Oral Communications                                                                                                                                                                                 | 3 hours        |                                                                                                                                               |                |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          |
| AGRI 1013 Introduction to Horticulture                                                                                                                                                                                 | 3 hours        |                                                                                                                                               |                |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          |
| **AGRI 2103 Agriculture Leadership                                                                                                                                                                                     | 3 hours        |                                                                                                                                               |                |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          |
| **AGRI 2123 Livestock Feeding                                                                                                                                                                                          | 3 hours        |                                                                                                                                               |                |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          |
| **AGRI 2222 Live Animal Evaluation                                                                                                                                                                                     | 2 hours        |                                                                                                                                               |                |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          |
| AGRI 2523 Intro to Sheep Prod. & Mgmt                                                                                                                                                                                  | 3 hours        | **These program courses are typically offered only once a year. See course descriptions for fall or spring designations and plan accordingly. |                |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          |
| MATH 2023 Elementary Statistics                                                                                                                                                                                        | 3 hours        |                                                                                                                                               |                |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          |
| <b>TOTAL CREDIT HOURS</b>                                                                                                                                                                                              | <b>60</b>      |                                                                                                                                               |                |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          |

**ARTS AND SCIENCES**

(Note: Program requirements for this degree are offered on NOC Enid, NOC Stillwater, and NOC Tonkawa campuses.

At the beginning of each course listing, the four letter abbreviation indicates the department and the four digits indicate the course code used for enrollment. The total course hour value follows each.)

| PROGRAM REQUIREMENTS                                                                                                                                                                                                                                                                                                                                                                 |                | SUGGESTED COURSE SEQUENCE                                                                                                              |                | Credit Hours |  |
|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|----------------|----------------------------------------------------------------------------------------------------------------------------------------|----------------|--------------|--|
|                                                                                                                                                                                                                                                                                                                                                                                      | Credit Hours   |                                                                                                                                        |                |              |  |
| <b>GENERAL EDUCATION COURSES</b>                                                                                                                                                                                                                                                                                                                                                     | 37 TOTAL HOURS | <b>FIRST SEMESTER</b>                                                                                                                  | 15 TOTAL HOURS |              |  |
| <b>ENGLISH COMPOSITION COURSES</b>                                                                                                                                                                                                                                                                                                                                                   |                | ENGL 1113 English Composition I                                                                                                        | 3 hours        |              |  |
| ENGL 1113 English Composition I                                                                                                                                                                                                                                                                                                                                                      | 3 hours        | BSAD 1113 Digital/Financial Literacy                                                                                                   | 3 hours        |              |  |
| ENGL 1213 English Composition II                                                                                                                                                                                                                                                                                                                                                     | 3 hours        | ORNT 1101 Freshman Orientation                                                                                                         | 1 hour         |              |  |
| <b>HISTORY AND GOVERNMENT COURSES</b>                                                                                                                                                                                                                                                                                                                                                |                | Program Requirement Courses                                                                                                            | 4 hours        |              |  |
| HIST 1483 American History to 1877                                                                                                                                                                                                                                                                                                                                                   |                | DEVS 1112 World of Work                                                                                                                | 2 hours        |              |  |
| (OR) HIST 1493 American History Since 1877                                                                                                                                                                                                                                                                                                                                           | 3 hours        | <b>SECOND SEMESTER</b>                                                                                                                 | 15 TOTAL HOURS |              |  |
| POLI 1113 American Government                                                                                                                                                                                                                                                                                                                                                        | 3 hours        | ENGL 1213 English Composition II                                                                                                       | 3 hours        |              |  |
| <b>HUMANITIES COURSES</b>                                                                                                                                                                                                                                                                                                                                                            |                | HIST 1483 American History to 1877                                                                                                     |                |              |  |
| Electives                                                                                                                                                                                                                                                                                                                                                                            | 6 hours        | (OR) HIST 1493 American History Since 1877                                                                                             | 3 hours        |              |  |
| One 3 hour course to be chosen from those listed with the International Dimension and 3 hours of humanities electives.                                                                                                                                                                                                                                                               |                | MATH 1493 Math Applications                                                                                                            |                |              |  |
| <b>MATHEMATICS COURSES</b>                                                                                                                                                                                                                                                                                                                                                           |                | (OR) MATH 1513 College Algebra                                                                                                         | 3 hours        |              |  |
| MATH 1493 Math Applications (OR)                                                                                                                                                                                                                                                                                                                                                     |                | Program Requirement Courses                                                                                                            | 6 hours        |              |  |
| MATH 1513 College Algebra                                                                                                                                                                                                                                                                                                                                                            | 3 hours        | (2 courses)                                                                                                                            |                |              |  |
| <b>SCIENCE COURSES</b>                                                                                                                                                                                                                                                                                                                                                               |                | <b>THIRD SEMESTER</b>                                                                                                                  | 16 TOTAL HOURS |              |  |
| One Biological Science with Lab                                                                                                                                                                                                                                                                                                                                                      | 4 hours        | POLI 1113 American Government                                                                                                          | 3 hours        |              |  |
| One Physical Science with Lab                                                                                                                                                                                                                                                                                                                                                        | 4 hours        | Science Elective                                                                                                                       | 4 hours        |              |  |
| <b>COMPUTER SCIENCE COURSES</b>                                                                                                                                                                                                                                                                                                                                                      |                | Recommended Program Elective                                                                                                           | 3 hours        |              |  |
| BSAD 1113 Digital/Financial Literacy                                                                                                                                                                                                                                                                                                                                                 | 3 hours        | Program Requirement Courses                                                                                                            | 6 hours        |              |  |
| (or other approved computer course)                                                                                                                                                                                                                                                                                                                                                  |                | (2 courses)                                                                                                                            |                |              |  |
| <b>ORIENTATION COURSES</b>                                                                                                                                                                                                                                                                                                                                                           |                | <b>FOURTH SEMESTER</b>                                                                                                                 | 14 TOTAL HOURS |              |  |
| ORNT 1101 Freshman Orientation                                                                                                                                                                                                                                                                                                                                                       | 1 hour         | General Education Elective                                                                                                             | 4 hours        |              |  |
| <b>GENERAL EDUCATION ELECTIVE COURSES</b>                                                                                                                                                                                                                                                                                                                                            | 3 hours        | Humanities Elective                                                                                                                    | 3 hours        |              |  |
| Select courses from: Language Arts, Natural Sciences, Foreign Languages, Fine Arts, Humanities, Mathematics, Behavioral or Social Sciences                                                                                                                                                                                                                                           |                | Science Elective                                                                                                                       | 4 hours        |              |  |
|                                                                                                                                                                                                                                                                                                                                                                                      |                | *Program Requirement Courses                                                                                                           | 3 hours        |              |  |
| <b>PROGRAM REQUIREMENT COURSES</b>                                                                                                                                                                                                                                                                                                                                                   | 23 TOTAL HOURS | This is a suggested sequence timeline only. A student may require more than four semesters to complete an Associate in Science degree. |                |              |  |
| This degree program must be completed with the assistance of the graduation advisor to suit the individual student's needs. The credit hour requirements must be selected from the following academic divisions: Agricultural Sciences; Business; Fine Arts; Health, Physical Education, and Recreation; Language Arts; Nursing; Science, Math and Engineering; and Social Sciences. |                |                                                                                                                                        |                |              |  |
| <b>TOTAL CREDIT HOURS</b>                                                                                                                                                                                                                                                                                                                                                            | <b>60</b>      |                                                                                                                                        |                |              |  |

**The suggested curriculum includes degree requirements and courses that are usually completed in the first two years of a four-year curriculum.**

**Students should consult the university or college of choice and its catalog curriculum as they make plans on where to transfer. Care should be taken to select the courses that will meet all requirements for both the Associate and Baccalaureate degree programs.**

NOC evaluates students for placement into either foundational or college-level courses, whichever will lead to the greatest possibility of student success. Academic placement is determined either by A C T test scores or by Accuplacer test scores. These tests are administered in the Testing Center at NOC. Based upon the scores, students may be required to take one or more courses for remediation in English, Math, or Reading, either prior to or concurrent with credit courses. See the NOC testing web page by clicking on the following link: ACT | Northern Oklahoma College (<http://www.noc.edu/act>) for placement guidelines.



**ARTS AND SCIENCES – INTERNATIONAL STUDIES OPTION**

(Note: Program requirements for this degree are offered on NOC Stillwater campus only.

At the beginning of each course listing, the four letter abbreviation indicates the department and the four digits indicate the course code used for enrollment. The total course hour value follows each.)

| PROGRAM REQUIREMENTS                                                                                                                       |                | SUGGESTED COURSE SEQUENCE                  |                | The suggested curriculum includes degree requirements and courses that are usually completed in the first two years of a four-year curriculum.                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           |
|--------------------------------------------------------------------------------------------------------------------------------------------|----------------|--------------------------------------------|----------------|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
|                                                                                                                                            | Credit Hours   |                                            | Credit Hours   |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          |
| <b>GENERAL EDUCATION COURSES</b>                                                                                                           | 37 TOTAL HOURS | <b>FIRST SEMESTER</b>                      | 15 TOTAL HOURS | <b>Consult with the university or college of your choice and its catalog curriculum as you make plans on where to transfer. Be careful to select the courses that will meet all requirements for both Associate and bachelor's degree programs.</b>                                                                                                                                                                                                                                                                                                                                                                                                                                      |
| ENGLISH COMPOSITION COURSES                                                                                                                |                | ENGL 1113 English Composition I            | 3 hours        |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          |
| ENGL 1113 English Composition I                                                                                                            | 3 hours        | MATH 1493 Math Applications (OR)           |                | <b>The International studies degree, in general, provides students with a broad understanding of today's complex global environment. Many graduates are entering careers that are global in perspective and scope and employers have a strong desire to hire students that possess a historic and contemporary understanding of global culture, history, and behaviors.</b>                                                                                                                                                                                                                                                                                                              |
| ENGL 1213 English Composition II                                                                                                           | 3 hours        | MATH 1513 College Algebra                  | 3 hours        |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          |
| <b>HISTORY AND GOVERNMENT COURSES</b>                                                                                                      |                | ORNT 1101 Freshman Orientation             | 1 hour         | <b>A short-term study abroad experience provided by NOC also is highly recommended as is the study of a foreign language.</b>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            |
| HIST 1483 American History to 1877                                                                                                         |                | HIST 1483 American History to 1877         |                |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          |
| (OR) HIST 1493 American History Since 1877                                                                                                 | 3 hours        | (OR) HIST 1493 American History Since 1877 | 3 hours        | <b>Career Opportunities</b>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              |
| POLI 1113 American Government                                                                                                              | 3 hours        | Foreign Language I                         | 5 hours        |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          |
| <b>HUMANITIES COURSES</b>                                                                                                                  |                | <b>SECOND SEMESTER</b>                     | 15 TOTAL HOURS | <b>• Business</b>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        |
| HUMN 2113 Ancient Arts & Culture (OR)                                                                                                      |                | ENGL 1213 English Composition II           | 3 hours        |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          |
| HUMN 2223 Modern Arts & Culture                                                                                                            | 3 hours        | POLI 1113 American Government              | 3 hours        | <b>• Government</b>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      |
| Humanities elective                                                                                                                        | 3 hours        | Foreign Language II                        | 5 hours        |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          |
| <b>MATHEMATICS COURSES</b>                                                                                                                 |                | Science Requirement                        | 4 hours        | <b>• Non-Governmental Organizations</b>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  |
| MATH 1483 Math Functions (OR)                                                                                                              |                | <b>THIRD SEMESTER</b>                      | 16 TOTAL HOURS |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          |
| MATH 1513 College Algebra                                                                                                                  | 3 hours        | HUMN 1113 World Religions                  | 3 hours        | <b>• Teacher</b>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         |
| <b>SCIENCE COURSES</b>                                                                                                                     |                | HIST 1713 History of Eastern Civ           | 3 hours        |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          |
| One Biological Science with Lab                                                                                                            | 4 hours        | Science Requirement                        | 4 hours        | <b>• Researcher</b>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      |
| One Physical Science with Lab                                                                                                              | 4 hours        | BSAD 1113 Digital/Financial Literacy       | 3 hours        |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          |
| <b>COMPUTER SCIENCE COURSES</b>                                                                                                            |                | HUMN 2113 Ancient Arts & Culture (OR)      |                | NOC evaluates students for placement into either foundational or college-level courses, whichever will lead to the greatest possibility of student success. Academic placement is determined either by A C T test scores or by Accuplacer test scores. These tests are administered in the Testing Center at NOC. Based upon the scores, students may be required to take one or more courses for remediation in English, Math, or Reading, either prior to or concurrent with credit courses. See the NOC testing web page by clicking on the following link: ACT   Northern Oklahoma College ( <a href="http://www.noc.edu/act">http://www.noc.edu/act</a> ) for placement guidelines. |
| BSAD 1113 Digital/Financial Literacy (or other approved computer course)                                                                   | 3 hours        | HUMN 2223 Modern Arts & Culture            | 3 hours        |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          |
| <b>ORIENTATION COURSES</b>                                                                                                                 |                | <b>FOURTH SEMESTER</b>                     | 14 TOTAL HOURS |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          |
| ORNT 1101 Freshman Orientation                                                                                                             | 1 hour         | Humanities Elective                        | 3 hours        |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          |
| <b>GENERAL EDUCATION ELECTIVE COURSES</b>                                                                                                  | 3 hours        | GEOG 2253 World Regional Geography         | 3 hours        |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          |
| Select courses from: Language Arts, Natural Sciences, Foreign Languages, Fine Arts, Humanities, Mathematics, Behavioral or Social Sciences |                | LIT 2113 World Literature to 1650          |                |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          |
| <b>PROGRAM REQUIREMENT COURSES</b>                                                                                                         | 12 TOTAL HOURS | (OR) LIT 2223 World Lit since 1650         | 3 hours        |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          |
| GEOG 2253 World Regional Geography                                                                                                         | 3 hours        | *Program/Gen Ed Electives (2 courses)      | 5 hours        |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          |
| HUMN 1113 World Religions                                                                                                                  | 3 hours        |                                            |                |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          |
| HIST 1223 History of Modern World Civilization                                                                                             | 3 hours        |                                            |                |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          |
| LIT 2113 World Literature to 1650                                                                                                          |                |                                            |                |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          |
| (OR) LIT 2223 World Lit since 1650                                                                                                         | 3 hours        |                                            |                |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          |
| Substitutions may be made with prior approval.                                                                                             |                |                                            |                |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          |
| <b>RECOMMENDED PROGRAM ELECTIVE COURSES</b>                                                                                                | 11 TOTAL HOURS |                                            |                |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          |
| Any GLBL (Global Studies) course*                                                                                                          | 3 hours        |                                            |                |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          |
| Courses offered on NOC Study Abroad*                                                                                                       | 3 hours        |                                            |                |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          |
| ANTH 2253 General Anthropology                                                                                                             | 3 hours        |                                            |                |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          |
| ECON 2113 Macroeconomic Principles                                                                                                         | 3 hours        |                                            |                |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          |
| HIST 1113 History of Ancient World Civ                                                                                                     | 3 hours        |                                            |                |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          |
| HIST 1223 History of Modern World Civ                                                                                                      | 3 hours        |                                            |                |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          |
| SOCI 1113 Principles of Sociology                                                                                                          | 3 hours        |                                            |                |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          |
| SOCI 2223 Social Problems                                                                                                                  | 3 hours        |                                            |                |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          |
| Foreign Language                                                                                                                           | 5-10 hours     |                                            |                |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          |
| <b>TOTAL CREDIT HOURS</b>                                                                                                                  | <b>60</b>      |                                            |                |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          |

Participation in a study abroad program and a Foreign Language are highly recommended.

This is a suggested sequence timeline only. A student may require more than four semesters to complete an Associate in Science degree.

**BIOLOGICAL SCIENCES**

(Note: Program requirements for this degree are offered on NOC Enid and NOC Tonkawa campuses only.

At the beginning of each course listing, the four letter abbreviation indicates the department and the four digits indicate the course code used for enrollment. The total course hour value follows each.)

| PROGRAM REQUIREMENTS                                                                                                                                                                                                   |                | SUGGESTED COURSE SEQUENCE                                      |                | The Associate in Science degree program in Biological Sciences prepares students to transfer to a four-year university to pursue a bachelor's degree or entry into the field of life science.                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            |
|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|----------------|----------------------------------------------------------------|----------------|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
|                                                                                                                                                                                                                        | Credit Hours   |                                                                | Credit Hours   |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          |
| <b>GENERAL EDUCATION COURSES</b>                                                                                                                                                                                       | 37 TOTAL HOURS | <b>FIRST SEMESTER</b>                                          | 17 TOTAL HOURS | Students transferring should consult catalog from the institution to which they are planning to transfer to and carefully select courses that will meet the requirements to complete their bachelor's degree.                                                                                                                                                                                                                                                                                                                                                                                                                                                                            |
| ENGLISH COMPOSITION COURSES                                                                                                                                                                                            |                | ENGL 1113 English Composition I                                | 3 hours        |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          |
| ENGL 1113 English Composition I                                                                                                                                                                                        | 3 hours        | MATH 1513 College Algebra                                      | 3 hours        | Career Opportunities                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     |
| ENGL 1213 English Composition II                                                                                                                                                                                       | 3 hours        | ORNT 1101 Freshman Orientation                                 | 1 hour         |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          |
| <b>HISTORY AND GOVERNMENT COURSES</b>                                                                                                                                                                                  |                | BISI 1124 Biology for Majors                                   | 4 hours        | <ul style="list-style-type: none"> <li>• Animal/Plant Production</li> <li>• Pre-Veterinary</li> </ul>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    |
| HIST 1483 American History to 1877                                                                                                                                                                                     |                | BSAD 1113 Digital/Financial Literacy                           | 3 hours        |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          |
| (OR) HIST 1493 American History Since 1877                                                                                                                                                                             | 3 hours        | HIST 1483 American History to 1877                             |                | <ul style="list-style-type: none"> <li>• Medical Assistant</li> <li>• Veterinarian Assistant</li> </ul>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  |
| POLI 1113 American Government                                                                                                                                                                                          | 3 hours        | (OR) HIST 1493 American History Since 1877                     | 3 hours        |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          |
| <b>HUMANITIES COURSES</b>                                                                                                                                                                                              |                | <b>SECOND SEMESTER</b>                                         | 14 TOTAL HOURS | <ul style="list-style-type: none"> <li>• Research Lab Assistant</li> <li>• Pharmaceutical Sales</li> </ul>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               |
| Electives                                                                                                                                                                                                              | 6 hours        | ENGL 1213 English Composition II                               | 3 hours        |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          |
| One 3 hour course to be chosen from those listed with the International Dimension and 3 hours of humanities electives.                                                                                                 |                | CHEM 1314 General Chemistry I                                  | 4 hours        | <ul style="list-style-type: none"> <li>• Wildlife Technician</li> <li>• Wildlife Production</li> </ul>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   |
| <b>MATHEMATICS COURSES</b>                                                                                                                                                                                             |                | MATH 2023 Elementary Statistics (recommended program elective) | 3 hours        |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          |
| MATH 1513 College Algebra                                                                                                                                                                                              | 3 hours        | General Education Elective                                     | 4 hours        | NOC evaluates students for placement into either foundational or college-level courses, whichever will lead to the greatest possibility of student success. Academic placement is determined either by A C T test scores or by Accuplacer test scores. These tests are administered in the Testing Center at NOC. Based upon the scores, students may be required to take one or more courses for remediation in English, Math, or Reading, either prior to or concurrent with credit courses. See the NOC testing web page by clicking on the following link: ACT   Northern Oklahoma College ( <a href="http://www.noc.edu/act">http://www.noc.edu/act</a> ) for placement guidelines. |
| <b>SCIENCE COURSES</b>                                                                                                                                                                                                 |                | <b>THIRD SEMESTER</b>                                          | 15 TOTAL HOURS |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          |
| BISI 1124 Biology for Majors                                                                                                                                                                                           | 4 hours        | CHEM 1414 General Chemistry II                                 | 4 hours        | This is a suggested sequence timeline only. A student may require more than four semesters to complete an Associate in Science degree.                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   |
| CHEM 1314 General Chemistry I                                                                                                                                                                                          | 4 hours        | Humanities Elective                                            | 3 hours        |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          |
| <b>COMPUTER SCIENCE COURSES</b>                                                                                                                                                                                        |                | BISI 1314 General Botany                                       | 4 hours        | **These program courses are typically offered only once a year. See course descriptions for fall or spring designations and plan accordingly.                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            |
| BSAD 1113 Digital/Financial Literacy (or other approved computer course)                                                                                                                                               | 3 hours        | PHYS 1114 General Physics I                                    | 4 hours        |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          |
| <b>ORIENTATION COURSES</b>                                                                                                                                                                                             |                | <b>FOURTH SEMESTER</b>                                         | 14 TOTAL HOURS |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          |
| ORNT 1101 Freshman Orientation                                                                                                                                                                                         | 1 hour         | Humanities Elective                                            | 3 hours        |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          |
| <b>GENERAL EDUCATION ELECTIVE COURSES</b>                                                                                                                                                                              | 4 hours        | BISI 1414 General Zoology                                      | 4 hours        |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          |
| Select courses from: Language Arts, Natural Sciences, Foreign Languages, Fine Arts, Humanities, Mathematics, Behavioral or Social Sciences.                                                                            |                | BISI 2124 Microbiology                                         | 4 hours        |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          |
| <i>It is advised that if a student takes a three credit hour course to apply to this requirement, the fourth credit hour may be counted from the overage hours taken from the Recommended Program electives below.</i> |                | POLI 1113 American Government                                  | 3 hours        |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          |
| <b>PROGRAM REQUIREMENT COURSES</b>                                                                                                                                                                                     | 20 TOTAL HOURS |                                                                |                |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          |
| **BISI 1314 General Botany                                                                                                                                                                                             | 4 hours        |                                                                |                |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          |
| **BISI 1414 General Zoology                                                                                                                                                                                            | 4 hours        |                                                                |                |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          |
| BISI 2124 Microbiology                                                                                                                                                                                                 | 4 hours        |                                                                |                |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          |
| CHEM 1414 General Chemistry II                                                                                                                                                                                         | 4 hours        |                                                                |                |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          |
| **PHYS 1114 General Physics                                                                                                                                                                                            | 4 hours        |                                                                |                |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          |
| <i>Substitutions may be made with prior approval.</i>                                                                                                                                                                  |                |                                                                |                |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          |
| <b>RECOMMENDED PROGRAM ELECTIVE COURSES</b>                                                                                                                                                                            | 3 TOTAL HOURS  |                                                                |                |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          |
| BISI 1214 Environmental Science                                                                                                                                                                                        | 4 hours        |                                                                |                |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          |
| **BISI 2024 Entomology                                                                                                                                                                                                 | 4 hours        |                                                                |                |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          |
| BISI 2324 Comp Vertebrate Anatomy                                                                                                                                                                                      | 4 hours        |                                                                |                |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          |
| **BISI 2403 Intro to Wildlife Conservation                                                                                                                                                                             | 4 hours        |                                                                |                |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          |
| MATH 1613 Plane Trigonometry                                                                                                                                                                                           | 3 hours        |                                                                |                |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          |
| MATH 2023 Elementary Statistics                                                                                                                                                                                        | 3 hours        |                                                                |                |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          |
| **PHYS 1214 General Physics II                                                                                                                                                                                         | 4 hours        |                                                                |                |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          |
| NUTR 1213 Intro to Human Nutrition                                                                                                                                                                                     | 3 hours        |                                                                |                |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          |
| HPET 2212 First Aid                                                                                                                                                                                                    | 2 hours        |                                                                |                |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          |
| <b>TOTAL CREDIT HOURS</b>                                                                                                                                                                                              | 60             |                                                                |                |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          |

**BIOLOGICAL SCIENCES, PRE-MEDICINE OPTION**

(Note: Program requirements for this degree are offered on NOC Enid and NOC Tonkawa campus only.

At the beginning of each course listing, the four letter abbreviation indicates the department and the four digits indicate the course code used for enrollment. The total course hour value follows each.)

| PROGRAM REQUIREMENTS                                                                                                                                                                                                   |                       | SUGGESTED COURSE SEQUENCE                                                                                                                     |                       | The Pre-Medicine degree option is designed for the student whose goal is to be a medical doctor. Students wishing to go into a different medical field such as physical therapy should consult an academic advisor in pre-medicine about specific requirements.                                                                                                                                                                                                                                                                                                                                                                                                                          |
|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-----------------------|-----------------------------------------------------------------------------------------------------------------------------------------------|-----------------------|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
|                                                                                                                                                                                                                        | Credit Hours          |                                                                                                                                               | Credit Hours          |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          |
| <b>GENERAL EDUCATION COURSES</b>                                                                                                                                                                                       | <b>37 TOTAL HOURS</b> | <b>FIRST SEMESTER</b>                                                                                                                         | <b>17 TOTAL HOURS</b> | <b>Students transferring should consult catalog from the institution to which they are planning to transfer to and carefully select courses that will meet the requirements to complete their bachelor's degree.</b>                                                                                                                                                                                                                                                                                                                                                                                                                                                                     |
| ENGLISH COMPOSITION COURSES                                                                                                                                                                                            |                       | ENGL 1113 English Composition I                                                                                                               | 3 hours               |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          |
| ENGL 1113 English Composition I                                                                                                                                                                                        | 3 hours               | MATH 1513 College Algebra                                                                                                                     | 3 hours               | <b>Career Opportunities</b>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              |
| ENGL 1213 English Composition II                                                                                                                                                                                       | 3 hours               | ORNT 1101 Freshman Orientation                                                                                                                | 1 hour                |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          |
| <b>HISTORY AND GOVERNMENT COURSES</b>                                                                                                                                                                                  |                       | POLI 1113 American Government                                                                                                                 | 3 hours               | <ul style="list-style-type: none"> <li>• <b>Chiropractor</b></li> <li>• <b>Dental Hygiene</b></li> <li>• <b>Medical Doctor</b></li> <li>• <b>Funeral Science</b></li> <li>• <b>Nutrition</b></li> <li>• <b>Occupational Therapist</b></li> <li>• <b>Optometry</b></li> <li>• <b>Osteopathic Medical</b></li> <li>• <b>Research</b></li> <li>• <b>Physical Therapist</b></li> <li>• <b>Wellness</b></li> </ul>                                                                                                                                                                                                                                                                            |
| HIST 1483 American History to 1877                                                                                                                                                                                     |                       | BISI 1124 Biology for Majors                                                                                                                  | 4 hours               |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          |
| (OR) HIST 1493 American History Since 1877                                                                                                                                                                             | 3 hours               | Humanities elective                                                                                                                           | 3 hours               | NOC evaluates students for placement into either foundational or college-level courses, whichever will lead to the greatest possibility of student success. Academic placement is determined either by A C T test scores or by Accuplacer test scores. These tests are administered in the Testing Center at NOC. Based upon the scores, students may be required to take one or more courses for remediation in English, Math, or Reading, either prior to or concurrent with credit courses. See the NOC testing web page by clicking on the following link: ACT   Northern Oklahoma College ( <a href="http://www.noc.edu/act">http://www.noc.edu/act</a> ) for placement guidelines. |
| POLI 1113 American Government                                                                                                                                                                                          | 3 hours               | <b>SECOND SEMESTER</b>                                                                                                                        | <b>14 TOTAL HOURS</b> |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          |
| <b>HUMANITIES COURSES</b>                                                                                                                                                                                              |                       | ENGL 1213 English Composition II                                                                                                              | 3 hours               |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          |
| Electives                                                                                                                                                                                                              | 6 hours               | BSAD 1113 Digital/Financial Literacy                                                                                                          | 3 hours               |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          |
| One 3 hour course to be chosen from those listed with the International Dimension and 3 hours of humanities electives.                                                                                                 |                       | CHEM 1314 General Chemistry I                                                                                                                 | 4 hours               |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          |
| <b>MATHEMATICS COURSES</b>                                                                                                                                                                                             |                       | BISI 2104 Human Anatomy                                                                                                                       | 4 hours               |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          |
| MATH 1513 College Algebra*                                                                                                                                                                                             | 3 hours               | <b>THIRD SEMESTER</b>                                                                                                                         | <b>15 TOTAL HOURS</b> |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          |
| <b>SCIENCE COURSES</b>                                                                                                                                                                                                 |                       | HIST 1483 American History to 1877                                                                                                            |                       |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          |
| BISI 1124 Biology for Majors                                                                                                                                                                                           | 4 hours               | (OR) HIST 1493 American History Since 1877                                                                                                    | 3 hours               |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          |
| CHEM 1314 General Chemistry I                                                                                                                                                                                          | 4 hours               | BISI 2124 Microbiology                                                                                                                        | 4 hours               |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          |
| <b>COMPUTER SCIENCE COURSES</b>                                                                                                                                                                                        |                       | PHYS 1114 General Physics I                                                                                                                   | 4 hours               |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          |
| BSAD 1113 Digital/Financial Literacy (or other approved computer course)                                                                                                                                               | 3 hours               | CHEM 1414 General Chemistry II                                                                                                                | 4 hours               |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          |
| <b>ORIENTATION COURSES</b>                                                                                                                                                                                             |                       | <b>FOURTH SEMESTER</b>                                                                                                                        | <b>14 TOTAL HOURS</b> |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          |
| ORNT 1101 Freshman Orientation                                                                                                                                                                                         | 1 hour                | Humanities Elective                                                                                                                           | 3 hours               |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          |
| <b>GENERAL EDUCATION ELECTIVE COURSES</b>                                                                                                                                                                              | <b>4 hours</b>        | PHYS 1214 General Physics                                                                                                                     | 4 hours               |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          |
| Select courses from: Language Arts, Natural Sciences, Foreign Languages, Fine Arts, Humanities, Mathematics, Behavioral or Social Sciences.                                                                            |                       | General Education Elective                                                                                                                    | 4 hours               |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          |
| <i>It is advised that if a student takes a three credit hour course to apply to this requirement, the fourth credit hour may be counted from the overage hours taken from the Recommended Program electives below.</i> |                       | *Program Elective                                                                                                                             | 3 hours               |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          |
| <b>PROGRAM REQUIREMENT COURSES</b>                                                                                                                                                                                     | <b>20 TOTAL HOURS</b> |                                                                                                                                               |                       |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          |
| BISI 2124 Microbiology                                                                                                                                                                                                 | 4 hours               |                                                                                                                                               |                       |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          |
| BISI 2104 Human Anatomy                                                                                                                                                                                                | 4 hours               |                                                                                                                                               |                       |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          |
| CHEM 1414 General Chemistry I                                                                                                                                                                                          | 4 hours               |                                                                                                                                               |                       |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          |
| **PHYS 1414 General Physics I                                                                                                                                                                                          | 4 hours               |                                                                                                                                               |                       |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          |
| **PHYS 1214 General Physics II                                                                                                                                                                                         | 4 hours               |                                                                                                                                               |                       |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          |
| Substitutions may be made with prior approval.                                                                                                                                                                         |                       |                                                                                                                                               |                       |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          |
| <b>RECOMMENDED PROGRAM ELECTIVE COURSES</b>                                                                                                                                                                            | <b>3 TOTAL HOURS</b>  |                                                                                                                                               |                       |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          |
| GEOG 2253 World Geography                                                                                                                                                                                              | 3 hours               |                                                                                                                                               |                       |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          |
| SOCI 1113 General Sociology                                                                                                                                                                                            | 3 hours               |                                                                                                                                               |                       |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          |
| SPCH 1713 Intro to Oral Communications                                                                                                                                                                                 | 3 hours               |                                                                                                                                               |                       |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          |
| PSYC 1113 General Psychology                                                                                                                                                                                           | 3 hours               |                                                                                                                                               |                       |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          |
| MATH 1613 Plane Trigonometry                                                                                                                                                                                           | 3 hours               |                                                                                                                                               |                       |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          |
| BISI 2204 Human Physiology                                                                                                                                                                                             | 4 hours               |                                                                                                                                               |                       |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          |
| HPET 2212 First Aid                                                                                                                                                                                                    | 2 hours               |                                                                                                                                               |                       |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          |
| NUTR 2123 Intro to Human Nutrition                                                                                                                                                                                     | 3 hours               |                                                                                                                                               |                       |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          |
| <b>TOTAL CREDIT HOURS</b>                                                                                                                                                                                              | <b>60</b>             |                                                                                                                                               |                       |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          |
| *Students scoring 26 or above on the math subsection of the ACT do not have to take MATH 1513 College Algebra.                                                                                                         |                       | This is a suggested sequence timeline only. A student may require more than four semesters to complete an Associate in Science degree.        |                       |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          |
|                                                                                                                                                                                                                        |                       | **These program courses are typically offered only once a year. See course descriptions for fall or spring designations and plan accordingly. |                       |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          |

**BIOLOGICAL SCIENCES, PRE-PHARMACY OPTION**

(Note: Program requirements for this degree are offered on NOC Enid and NOC Tonkawa campus only.

At the beginning of each course listing, the four letter abbreviation indicates the department and the four digits indicate the course code used for enrollment. The total course hour value follows each.)

| PROGRAM REQUIREMENTS                                                                                                                                                                                                   |                | SUGGESTED COURSE SEQUENCE                                                                                                                     |                | This Associate in Science degree program prepares students to transfer to a four-year university to pursue the Bachelor's degree in Pharmacy.                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            |
|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|----------------|-----------------------------------------------------------------------------------------------------------------------------------------------|----------------|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
|                                                                                                                                                                                                                        | Credit Hours   |                                                                                                                                               | Credit Hours   |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          |
| GENERAL EDUCATION COURSES                                                                                                                                                                                              | 37 TOTAL HOURS | FIRST SEMESTER                                                                                                                                | 15 TOTAL HOURS | Students transferring should consult catalog from the institution to which they are planning to transfer to and carefully select courses that will meet the requirements to complete their bachelor's degree.                                                                                                                                                                                                                                                                                                                                                                                                                                                                            |
| ENGLISH COMPOSITION COURSES                                                                                                                                                                                            |                | ENGL 1113 English Composition I                                                                                                               | 3 hours        |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          |
| ENGL 1113 English Composition I                                                                                                                                                                                        | 3 hours        | MATH 1513 College Algebra                                                                                                                     | 3 hours        |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          |
| ENGL 1213 English Composition II                                                                                                                                                                                       | 3 hours        | ORNT 1101 Freshman Orientation                                                                                                                | 1 hour         |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          |
| HISTORY AND GOVERNMENT COURSES                                                                                                                                                                                         |                | BISI 1124 Biology for Majors                                                                                                                  | 4 hours        |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          |
| HIST 1483 American History to 1877                                                                                                                                                                                     |                | CHEM 1314 General Chemistry I                                                                                                                 | 4 hours        |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          |
| (OR) HIST 1493 American History Since 1877                                                                                                                                                                             | 3 hours        | SECOND SEMESTER                                                                                                                               | 16 TOTAL HOURS |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          |
| POLI 1113 American Government                                                                                                                                                                                          | 3 hours        | ENGL 1213 English Composition II                                                                                                              | 3 hours        |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          |
| HUMANITIES COURSES                                                                                                                                                                                                     |                | HIST 1483 American History to 1877                                                                                                            |                |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          |
| Electives                                                                                                                                                                                                              | 6 hours        | (OR) HIST 1493 American History Since 1877                                                                                                    | 3 hours        |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          |
| One 3 hour course to be chosen from those listed with the International Dimension and 3 hours of humanities electives.                                                                                                 |                | BSAD 1113 Digital/Financial Literacy                                                                                                          | 3 hours        | Career Opportunities                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     |
| MATHEMATICS COURSES                                                                                                                                                                                                    |                | CHEM 1414 General Chemistry                                                                                                                   | 4 hours        |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          |
| MATH 1513 College Algebra                                                                                                                                                                                              | 3 hours        | MATH 2103 Elementary Calculus                                                                                                                 | 3 hours        |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          |
| SCIENCE COURSES                                                                                                                                                                                                        |                | THIRD SEMESTER                                                                                                                                | 14 TOTAL HOURS |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          |
| BISI 1124 Biology for Majors (OR)                                                                                                                                                                                      |                | POLI 1113 American Government                                                                                                                 | 3 hours        |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          |
| BISI 1114 General Biology                                                                                                                                                                                              | 4 hours        | Humanities Elective                                                                                                                           | 3 hours        |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          |
| CHEM 1314 General Chemistry I                                                                                                                                                                                          | 4 hours        | PHYS 1114 General Physics I                                                                                                                   | 4 hours        |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          |
| COMPUTER SCIENCE COURSES                                                                                                                                                                                               |                | BISI 2104 Human Anatomy                                                                                                                       | 4 hours        |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          |
| BSAD 1113 Digital/Financial Literacy (or other approved computer course)                                                                                                                                               | 3 hours        | FOURTH SEMESTER                                                                                                                               | 15 TOTAL HOURS |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          |
| ORIENTATION COURSES                                                                                                                                                                                                    |                | Humanities Elective                                                                                                                           | 3 hours        |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          |
| ORNT 1101 Freshman Orientation                                                                                                                                                                                         | 1 hour         | BISI 2124 Microbiology                                                                                                                        | 4 hours        |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          |
| GENERAL EDUCATION ELECTIVE COURSES                                                                                                                                                                                     | 4 hours        | SPCH 1713 Intro to Oral Communications                                                                                                        | 3 hours        |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          |
| Select courses from: Language Arts, Natural Sciences, Foreign Languages, Fine Arts, Humanities, Mathematics, Behavioral or Social Sciences.                                                                            |                | *Program/Gen Ed Electives (2 courses)                                                                                                         | 5 hours        |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          |
| <i>It is advised that if a student takes a three credit hour course to apply to this requirement, the fourth credit hour may be counted from the overage hours taken from the Recommended Program electives below.</i> |                |                                                                                                                                               |                | NOC evaluates students for placement into either foundational or college-level courses, whichever will lead to the greatest possibility of student success. Academic placement is determined either by A C T test scores or by Accuplacer test scores. These tests are administered in the Testing Center at NOC. Based upon the scores, students may be required to take one or more courses for remediation in English, Math, or Reading, either prior to or concurrent with credit courses. See the NOC testing web page by clicking on the following link: ACT   Northern Oklahoma College ( <a href="http://www.noc.edu/act">http://www.noc.edu/act</a> ) for placement guidelines. |
| PROGRAM REQUIREMENT COURSES                                                                                                                                                                                            | 19 TOTAL HOURS | This is a suggested sequence timeline only. A student may require more than four semesters to complete an Associate in Science degree.        |                |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          |
| BISI 2104 Human Anatomy                                                                                                                                                                                                | 4 hours        |                                                                                                                                               |                |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          |
| BISI 2124 Microbiology                                                                                                                                                                                                 | 4 hours        |                                                                                                                                               |                |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          |
| CHEM 1414 General Chemistry II                                                                                                                                                                                         | 4 hours        |                                                                                                                                               |                |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          |
| **MATH 2103 Elementary Calculus                                                                                                                                                                                        | 3 hours        |                                                                                                                                               |                |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          |
| **PHYS 1114 General Physics                                                                                                                                                                                            | 4 hours        |                                                                                                                                               |                |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          |
| Substitutions may be made with prior approval.                                                                                                                                                                         |                |                                                                                                                                               |                |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          |
| RECOMMENDED PROGRAM ELECTIVE COURSES                                                                                                                                                                                   | 4 TOTAL HOURS  | * Hours from recommended program electives and general education electives in Science may be combined for final 6 hours required to graduate. |                |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          |
| ECON 2113 Macroeconomics                                                                                                                                                                                               | 3 hours        |                                                                                                                                               |                |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          |
| MATH 2023 Elementary Statistics                                                                                                                                                                                        | 3 hours        |                                                                                                                                               |                |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          |
| SPCH 1713 Intro to Oral Communications                                                                                                                                                                                 | 3 hours        |                                                                                                                                               |                |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          |
| PSYC 1113 General Psychology                                                                                                                                                                                           | 3 hours        | **These program courses are typically offered only once a year. See course descriptions for fall or spring designations and plan accordingly. |                |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          |
| TOTAL CREDIT HOURS                                                                                                                                                                                                     | 60             |                                                                                                                                               |                |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          |



**BUSINESS ADMINISTRATION**

(Note: Program requirements for this degree are offered on NOC Enid, NOC Stillwater, and NOC Tonkawa campuses, as well as online. At the beginning of each course listing, the four letter abbreviation indicates the department and the four digits indicate the course code used for enrollment. The total course hour value follows each.)

| PROGRAM REQUIREMENTS                                                                                                                       |                 | SUGGESTED COURSE SEQUENCE                  |                | The Associate in Science degree in Business Administration consists of 62 credit hours designed to provide the student with the first two years of general requirements for transfer to a four-year institution. The suggested curriculum is outlined to the left. Alternate courses and electives should be selected carefully only after the student and the major faculty academic advisor have consulted the catalog of the selected transfer college.                                                                                                                                                                                                                               |
|--------------------------------------------------------------------------------------------------------------------------------------------|-----------------|--------------------------------------------|----------------|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
|                                                                                                                                            | Credit Hours    |                                            | Credit Hours   |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          |
| <b>GENERAL EDUCATION COURSES</b>                                                                                                           | 37 TOTAL HOURS  | <b>FIRST SEMESTER</b>                      | 16 TOTAL HOURS | The Business Division and this degree program are accredited by the Accreditation Council of Business Schools and Programs (ACBSP).                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      |
| ENGLISH COMPOSITION COURSES                                                                                                                |                 | ENGL 1113 English Composition I            | 3 hours        |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          |
| ENGL 1113 English Composition I                                                                                                            | 3 hours         | MATH 1513 College Algebra                  | 3 hours        | Outstanding Business students are invited to join Kappa Beta Delta, the business honor society recognized by ACBSP.                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      |
| ENGL 1213 English Composition II                                                                                                           | 3 hours         | ORNT 1101 Freshman Orientation             | 1 hour         |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          |
| <b>HISTORY AND GOVERNMENT COURSES</b>                                                                                                      |                 | BSAD 1113 Digital/Financial Literacy       | 3 hours        | Career Opportunities                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     |
| HIST 1483 American History to 1877                                                                                                         |                 | Computer Science Elective                  | 3 hours        |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          |
| (OR) HIST 1493 American History Since 1877                                                                                                 | 3 hours         | Gen Ed/Program Elective                    | 3 hours        | <ul style="list-style-type: none"> <li>Accounting</li> <li>Business Administrator</li> <li>Finance</li> <li>Management</li> </ul>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        |
| POLI 1113 American Government                                                                                                              | 3 hours         | <b>SECOND SEMESTER</b>                     | 16 TOTAL HOURS |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          |
| <b>HUMANITIES COURSES</b>                                                                                                                  |                 | ENGL 1213 English Composition II           | 3 hours        | NOC evaluates students for placement into either foundational or college-level courses, whichever will lead to the greatest possibility of student success. Academic placement is determined either by A C T test scores or by Accuplacer test scores. These tests are administered in the Testing Center at NOC. Based upon the scores, students may be required to take one or more courses for remediation in English, Math, or Reading, either prior to or concurrent with credit courses. See the NOC testing web page by clicking on the following link: ACT   Northern Oklahoma College ( <a href="http://www.noc.edu/act">http://www.noc.edu/act</a> ) for placement guidelines. |
| PHIL 2213 Ethics (OR)                                                                                                                      |                 | HIST 1483 American History to 1877         |                |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          |
| PHIL 2223 Business Ethics                                                                                                                  | 3 hours         | (OR) HIST 1493 American History Since 1877 | 3 hours        |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          |
| One course to be chosen from those listed with the International Dimension.                                                                | 3 hours         | CS 2123 Business Tech & Applications       | 3 hours        |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          |
| <b>MATHEMATICS COURSES</b>                                                                                                                 |                 | MATH 2023 Elementary Statistics            | 3 hours        |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          |
| MATH 1513 College Algebra                                                                                                                  | 3 hours         | Science Elective                           | 4 hours        |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          |
| <b>SCIENCE COURSES</b>                                                                                                                     |                 | <b>THIRD SEMESTER</b>                      | 15 TOTAL HOURS |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          |
| Two Sciences with Lab                                                                                                                      | 8 hours         | POLI 1113 American Government              | 3 hours        |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          |
| <b>COMPUTER SCIENCE COURSES</b>                                                                                                            |                 | PHIL 2213 Ethics (OR)                      |                |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          |
| CS 1113 Computer Concepts (OR)                                                                                                             |                 | PHIL 2223 Business Ethics                  | 3 hours        |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          |
| BSAD 1113 Digital/Financial Literacy (or other approved computer course)                                                                   | 3 hours         | Recommended Program Elective               | 3 hours        |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          |
| <b>ORIENTATION COURSES</b>                                                                                                                 |                 | ACCT 2103 Accounting I-Financial           | 3 hours        |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          |
| ORNT 1101 Freshman Orientation                                                                                                             | 1 hour          | ECON 2123 Microeconomic Principles         | 3 hours        |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          |
| <b>GENERAL EDUCATION ELECTIVE COURSES</b>                                                                                                  | 4 hours         | Gen Ed/Program Elective                    | 3 hours        |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          |
| Select courses from: Language Arts, Natural Sciences, Foreign Languages, Fine Arts, Humanities, Mathematics, Behavioral or Social Sciences |                 | <b>FOURTH SEMESTER</b>                     | 13 TOTAL HOURS |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          |
| <b>PROGRAM REQUIREMENT COURSES</b>                                                                                                         | 21 TOTAL HOURS  | International Humanities Elective          | 3 hours        |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          |
| ACCT 2103 Accounting I-Financial                                                                                                           | 3 hours         | ACCT 2203 Accounting II-Managerial         | 3 hours        |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          |
| ACCT 2203 Accounting II-Managerial                                                                                                         | 3 hours         | ECON 2113 Macroeconomic Principles         | 3 hours        |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          |
| BSAD 1103 Introduction to Business                                                                                                         | 3 hours         | Science Elective                           | 4 hours        |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          |
| CS 2123 Business Tech & Applications                                                                                                       | 3 hours         |                                            |                |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          |
| ECON 2113 Macroeconomic Principles                                                                                                         | 3 hours         |                                            |                |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          |
| ECON 2123 Microeconomic Principles                                                                                                         | 3 hours         |                                            |                |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          |
| MATH 2023 Elementary Statistics                                                                                                            | 3 hours         |                                            |                |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          |
| <b>RECOMMENDED PROGRAM ELECTIVE COURSES</b>                                                                                                | 2-3 TOTAL HOURS |                                            |                |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          |
| BMGT 2240 Business Internship                                                                                                              | 3 hours         |                                            |                |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          |
| MATH 2103 Elementary Calculus                                                                                                              | 3 hours         |                                            |                |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          |
| SPCH 1713 Intro to Oral Communications                                                                                                     | 3 hours         |                                            |                |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          |
| <b>TOTAL CREDIT HOURS</b>                                                                                                                  | 60              |                                            |                |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          |

\* Students scoring 26 or above on the math subsection of the ACT do not have to take MATH 1513 College Algebra and may take MATH 2023 Elementary Statistics or MATH 2103 Elementary Calculus.

**BUSINESS ADMINISTRATION – INTERNATIONAL BUSINESS OPTION**

(Note: Program requirements for this degree are offered on NOC Enid and NOC Tonkawa campus only.

At the beginning of each course listing, the four letter abbreviation indicates the department and the four digits indicate the course code used for enrollment. The total course hour value follows each.)

| PROGRAM REQUIREMENTS                                                                                                                                                                          |                        | SUGGESTED COURSE SEQUENCE                                                                                                              |                       |
|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|------------------------|----------------------------------------------------------------------------------------------------------------------------------------|-----------------------|
|                                                                                                                                                                                               | Credit Hours           |                                                                                                                                        | Credit Hours          |
| <b>GENERAL EDUCATION COURSES</b>                                                                                                                                                              | <b>37 TOTAL HOURS</b>  | <b>FIRST SEMESTER</b>                                                                                                                  | <b>14 TOTAL HOURS</b> |
| ENGLISH COMPOSITION COURSES                                                                                                                                                                   |                        | ENGL 1113 English Composition I                                                                                                        | 3 hours               |
| ENGL 1113 English Composition I                                                                                                                                                               | 3 hours                | MATH 1513 College Algebra                                                                                                              | 3 hours               |
| ENGL 1213 English Composition II                                                                                                                                                              | 3 hours                | ORNT 1101 Freshman Orientation                                                                                                         | 1 hour                |
| <b>HISTORY AND GOVERNMENT COURSES</b>                                                                                                                                                         |                        | Computer Science Elective                                                                                                              | 3 hours               |
| HIST 1483 American History to 1877                                                                                                                                                            |                        | Science Elective                                                                                                                       | 4 hours               |
| (OR) HIST 1493 American History Since 1877                                                                                                                                                    | 3 hours                | <b>SECOND SEMESTER</b>                                                                                                                 | <b>16 TOTAL HOURS</b> |
| POLI 1113 American Government                                                                                                                                                                 | 3 hours                | ENGL 1213 English Composition II                                                                                                       | 3 hours               |
| <b>HUMANITIES COURSES</b>                                                                                                                                                                     |                        | HIST 1483 American History to 1877                                                                                                     |                       |
| PHIL 2213 Ethics (OR)                                                                                                                                                                         |                        | (OR) HIST 1493 American History Since 1877                                                                                             | 3 hours               |
| PHIL 2223 Business Ethics                                                                                                                                                                     | 3 hours                | SPCH 1713 Intro to Oral Communications                                                                                                 | 3 hours               |
| GLBL 2133 Intro to Int'l Business Culture                                                                                                                                                     | 3 hours                | CS 2123 Business Tech & Applications                                                                                                   | 3 hours               |
| <b>MATHEMATICS COURSES</b>                                                                                                                                                                    |                        | Program/Gen Ed Elective                                                                                                                | 4 hours               |
| MATH 1513 College Algebra                                                                                                                                                                     | 3 hours                | <b>THIRD SEMESTER</b>                                                                                                                  | <b>16 TOTAL HOURS</b> |
| <b>SCIENCE COURSES</b>                                                                                                                                                                        |                        | POLI 1113 American Government                                                                                                          | 3 hours               |
| Two Sciences with Lab                                                                                                                                                                         | 8 hours                | PHIL 2213 Ethics (OR)                                                                                                                  |                       |
| <b>COMPUTER SCIENCE COURSES</b>                                                                                                                                                               |                        | PHIL 2223 Business Ethics                                                                                                              | 3 hours               |
| CS 1113 Computer Concepts (OR)                                                                                                                                                                |                        | ACCT 2103 Accounting I-Financial                                                                                                       | 3 hours               |
| BSAD 1113 Digital/Financial Literacy (or other approved computer course)                                                                                                                      | 3 hours                | ECON 2113 Macroeconomic Principles                                                                                                     | 3 hours               |
| <b>ORIENTATION COURSES</b>                                                                                                                                                                    |                        | Science Elective                                                                                                                       | 3 hours               |
| ORNT 1101 Freshman Orientation                                                                                                                                                                | 1 hour                 | <b>FOURTH SEMESTER</b>                                                                                                                 | <b>15 TOTAL HOURS</b> |
| <b>GENERAL EDUCATION ELECTIVE COURSES</b>                                                                                                                                                     | <b>4 hours</b>         | GLBL 2133 Intro to Int'l Business Culture                                                                                              | 3 hours               |
| (A foreign language course may be taken to meet the requirement below with fewer overall degree hours.)                                                                                       |                        | ECON 2123 Microeconomic Principles                                                                                                     | 3 hours               |
| <b>PROGRAM REQUIREMENT COURSES</b>                                                                                                                                                            | <b>21 TOTAL HOURS</b>  | ACCT 2203 Accounting II-Managerial                                                                                                     | 3 hours               |
| ACCT 2103 Accounting I-Financial                                                                                                                                                              | 3 hours                | GEOG 2253 World Regional Geography                                                                                                     | 3 hours               |
| ACCT 2203 Accounting II-Managerial                                                                                                                                                            | 3 hours                | *Program/Gen Ed Electives                                                                                                              | 3 hours               |
| CS 2123 Business Tech & Applications                                                                                                                                                          | 3 hours                |                                                                                                                                        |                       |
| ECON 2113 Macroeconomic Principles                                                                                                                                                            | 3 hours                |                                                                                                                                        |                       |
| ECON 2123 Microeconomic Principles                                                                                                                                                            | 3 hours                |                                                                                                                                        |                       |
| SPCH 1713 Intro to Oral Communications                                                                                                                                                        | 3 hours                |                                                                                                                                        |                       |
| GEOG 2253 World Regional Geography                                                                                                                                                            | 3 hours                |                                                                                                                                        |                       |
| Substitutions may be made with prior approval.                                                                                                                                                |                        |                                                                                                                                        |                       |
| <b>RECOMMENDED PROGRAM ELECTIVE COURSES</b>                                                                                                                                                   | <b>5-6 TOTAL HOURS</b> |                                                                                                                                        |                       |
| Hours for recommended program electives may be combined with general education hours above.                                                                                                   |                        |                                                                                                                                        |                       |
| Students are advised to take foreign language course and/or business communication courses to meet this requirement.                                                                          |                        |                                                                                                                                        |                       |
| <b>TOTAL CREDIT HOURS</b>                                                                                                                                                                     | <b>61</b>              |                                                                                                                                        |                       |
| * Students scoring 26 or above on the math subsection of the ACT do not have to take MATH 1513 College Algebra and may take MATH 2023 Elementary Statistics or MATH 2103 Elementary Calculus. |                        | This is a suggested sequence timeline only. A student may require more than four semesters to complete an Associate in Science degree. |                       |

**The Associate in Science degree program in Business Administration with an International Option prepares students to transfer to a four-year university to pursue the Bachelor's degree in Foreign Language or Business Administration. The degree recipient will also be able to pursue a career/degree path in International Business.**

**The Business Division and this degree program are accredited by the Accreditation Council of Business Schools and Programs (ACBSP).**

**Outstanding Business students are invited to join Kappa Beta Delta, the business honor society recognized by ACBSP.**

**Career Opportunities**

- **Accounting**
- **Business Administrator**
- **Finance**
- **Management**
- **International Business**

NOC evaluates students for placement into either foundational or college-level courses, whichever will lead to the greatest possibility of student success. Academic placement is determined either by A C T test scores or by Accuplacer test scores. These tests are administered in the Testing Center at NOC. Based upon the scores, students may be required to take one or more courses for remediation in English, Math, or Reading, either prior to or concurrent with credit courses. See the NOC testing web page by clicking on the following link: ACT | Northern Oklahoma College (<http://www.noc.edu/act>) for placement guidelines.

**BUSINESS ADMINISTRATION – MANAGEMENT INFORMATION SYSTEMS (MIS) OPTION**

(Note: Program requirements for this degree are offered on NOC Enid and NOC Tonkawa campus only.

At the beginning of each course listing, the four letter abbreviation indicates the department and the four digits indicate the course code used for enrollment. The total course hour value follows each.)

| PROGRAM REQUIREMENTS                                                                                                                                                                          |                          | SUGGESTED COURSE SEQUENCE                                                                                                                     |                          | The Associate in Science degree in Business Administration with a Management Information Systems Option consists of 62 credit hours designed to provide the student with the first two years of general requirements for transfer to a four-year institution. The suggested curriculum is outlined to the left. Alternate courses and electives should be selected carefully only after the student and the major faculty academic advisor have consulted the catalog of the selected transfer college.                                                                                                                                                                                  |
|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|--------------------------|-----------------------------------------------------------------------------------------------------------------------------------------------|--------------------------|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
|                                                                                                                                                                                               | Credit Hours             |                                                                                                                                               | Credit Hours             |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          |
| <b>GENERAL EDUCATION COURSES</b>                                                                                                                                                              | <b>37 TOTAL HOURS</b>    | <b>FIRST SEMESTER</b>                                                                                                                         | <b>15 TOTAL HOURS</b>    | <b>The Business Division and this degree program are accredited by the Accreditation Council on Business Schools and Programs (ACBSP).</b>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               |
| <b>ENGLISH COMPOSITION COURSES</b>                                                                                                                                                            |                          | ENGL 1113 English Composition I                                                                                                               | 3 hours                  |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          |
| ENGL 1113 English Composition I                                                                                                                                                               | 3 hours                  | MATH 1513 College Algebra                                                                                                                     | 3 hours                  | <b>Outstanding Business students are invited to join Kappa Beta Delta, the business honor society recognized by ACBSP.</b>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               |
| ENGL 1213 English Composition II                                                                                                                                                              | 3 hours                  | ORNT 1101 Freshman Orientation                                                                                                                | 1 hour                   |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          |
| <b>HISTORY AND GOVERNMENT COURSES</b>                                                                                                                                                         |                          | HIST 1483 American History to 1877 (OR) HIST 1493 American History Since 1877                                                                 | 3 hours                  | <b>Career Opportunities</b>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              |
| HIST 1483 American History to 1877 (OR) HIST 1493 American History Since 1877                                                                                                                 | 3 hours                  | CS 1013 Visual Basic Programming                                                                                                              | 3 hours                  |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          |
| POLI 1113 American Government                                                                                                                                                                 | 3 hours                  | Computer Science Elective                                                                                                                     | 3 hours                  | <ul style="list-style-type: none"> <li>• Business Information</li> <li>• System Analyst</li> <li>• Information Systems</li> <li>• Specialist</li> </ul>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  |
| <b>HUMANITIES COURSES</b>                                                                                                                                                                     |                          | <b>SECOND SEMESTER</b>                                                                                                                        | <b>13-15 TOTAL HOURS</b> |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          |
| PHIL 2213 Ethics (OR)                                                                                                                                                                         |                          | ENGL 1213 English Composition II                                                                                                              | 3 hours                  | NOC evaluates students for placement into either foundational or college-level courses, whichever will lead to the greatest possibility of student success. Academic placement is determined either by A C T test scores or by Accuplacer test scores. These tests are administered in the Testing Center at NOC. Based upon the scores, students may be required to take one or more courses for remediation in English, Math, or Reading, either prior to or concurrent with credit courses. See the NOC testing web page by clicking on the following link: ACT   Northern Oklahoma College ( <a href="http://www.noc.edu/act">http://www.noc.edu/act</a> ) for placement guidelines. |
| PHIL 2223 Business Ethics                                                                                                                                                                     | 3 hours                  | **MATH 2103 Elementary Calculus (OR) **MATH 2145 Calculus I                                                                                   | 3 hours                  |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          |
| One course to be chosen from those listed with the International Dimension.                                                                                                                   | 3 hours                  | CS 2123 Business Tech & Applications                                                                                                          | 3 hours                  |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          |
| <b>MATHEMATICS COURSES</b>                                                                                                                                                                    |                          | Science Elective                                                                                                                              | 4 hours                  |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          |
| MATH 1513 College Algebra                                                                                                                                                                     | 3 hours                  | <b>THIRD SEMESTER</b>                                                                                                                         | <b>16 TOTAL HOURS</b>    |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          |
| <b>SCIENCE COURSES</b>                                                                                                                                                                        |                          | POLI 1113 American Government                                                                                                                 | 3 hours                  |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          |
| Two Sciences with Lab                                                                                                                                                                         | 8 hours                  | Science Elective                                                                                                                              | 4 hours                  |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          |
| <b>COMPUTER SCIENCE COURSES</b>                                                                                                                                                               |                          | PHIL 2213 Ethics (OR)                                                                                                                         |                          |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          |
| CS 1113 Computer Concepts (OR)                                                                                                                                                                |                          | PHIL 2223 Business Ethics                                                                                                                     | 3 hours                  |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          |
| BSAD 1113 Digital/Financial Literacy (or other approved computer course)                                                                                                                      | 3 hours                  | ACCT 2103 Accounting I-Financial                                                                                                              | 3 hours                  |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          |
| <b>ORIENTATION COURSES</b>                                                                                                                                                                    |                          | ECON 2123 Microeconomic Principles                                                                                                            | 3 hours                  |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          |
| ORNT 1101 Freshman Orientation                                                                                                                                                                | 1 hour                   | <b>FOURTH SEMESTER</b>                                                                                                                        | <b>15 TOTAL HOURS</b>    |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          |
| <b>GENERAL EDUCATION ELECTIVE COURSES</b>                                                                                                                                                     | <b>4 hours</b>           | International Humanities Elective                                                                                                             | 3 hours                  |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          |
| The completion of the 27 hours of Program Requirements below enables a student to fulfill this four hour General Education Elective requirement.                                              |                          | CS 2303 Java Programming (OR)                                                                                                                 |                          |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          |
| <b>PROGRAM REQUIREMENT COURSES</b>                                                                                                                                                            | <b>27-29 TOTAL HOURS</b> | CS 2313 Programming with C++                                                                                                                  | 3 hours                  |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          |
| ACCT 2103 Accounting I-Financial                                                                                                                                                              | 3 hours                  | MATH 2023 Elementary Statistics                                                                                                               | 3 hours                  |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          |
| ACCT 2203 Accounting II-Managerial                                                                                                                                                            | 3 hours                  | ACCT 2203 Accounting II-Managerial                                                                                                            | 3 hours                  |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          |
| **CS 1013 Visual Basic Programming                                                                                                                                                            | 3 hours                  | ECON 2113 Macroeconomic Principles                                                                                                            | 3 hours                  |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          |
| CS 2123 Business Tech & Applications                                                                                                                                                          | 3 hours                  | This is a suggested sequence timeline only. A student may require more than four semesters to complete an Associate in Science degree.        |                          |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          |
| **CS 2303 Java Programming (OR)                                                                                                                                                               |                          |                                                                                                                                               |                          |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          |
| **CS 2313 Programming with C++                                                                                                                                                                | 3 hours                  |                                                                                                                                               |                          |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          |
| ECON 2113 Macroeconomic Principles                                                                                                                                                            | 3 hours                  |                                                                                                                                               |                          |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          |
| ECON 2123 Microeconomic Principles                                                                                                                                                            | 3 hours                  |                                                                                                                                               |                          |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          |
| MATH 2023 Elementary Statistics                                                                                                                                                               | 3 hours                  |                                                                                                                                               |                          |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          |
| **MATH 2103 Elementary Calculus (OR) **MATH 2145 Calculus I                                                                                                                                   | 3 hours                  |                                                                                                                                               |                          |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          |
| <b>TOTAL CREDIT HOURS</b>                                                                                                                                                                     | <b>60-62</b>             |                                                                                                                                               |                          |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          |
| * Students scoring 26 or above on the math subsection of the ACT do not have to take MATH 1513 College Algebra and may take MATH 2023 Elementary Statistics or MATH 2103 Elementary Calculus. |                          | **These program courses are typically offered only once a year. See course descriptions for fall or spring designations and plan accordingly. |                          |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          |

**COMPUTER SCIENCE, PRE-PROFESSIONAL**

(Note: Program requirements for this degree are offered on NOC Enid and NOC Tonkawa campus only.

At the beginning of each course listing, the four letter abbreviation indicates the department and the four digits indicate the course code used for enrollment. The total course hour value follows each.)

| PROGRAM REQUIREMENTS                                                                                                                                                                                                        |                   | SUGGESTED COURSE SEQUENCE                                                     |                   | The Associate in Science degree in Computer Science is designed to provide the basic requirements for the first two years of the bachelor's degree in the area of computer science or information systems                                                                                                                                                                                                                                                                                                                                                                                                                                                                                |
|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-------------------|-------------------------------------------------------------------------------|-------------------|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
|                                                                                                                                                                                                                             | Credit Hours      |                                                                               | Credit Hours      |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          |
| <b>GENERAL EDUCATION COURSES</b>                                                                                                                                                                                            | 37 TOTAL HOURS    | <b>FIRST SEMESTER</b>                                                         | 16 TOTAL HOURS    | The Business Division and this degree program are accredited by the Accreditation Council of Business Schools and Programs (ACBSP).                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      |
| ENGLISH COMPOSITION COURSES                                                                                                                                                                                                 |                   | ENGL 1113 English Composition I                                               | 3 hours           |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          |
| ENGL 1113 English Composition I                                                                                                                                                                                             | 3 hours           | MATH 1513 College Algebra (OR)                                                |                   | Outstanding Business students are invited to join Kappa Beta Delta, the business honor society recognized by ACBSP.                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      |
| ENGL 1213 English Composition II                                                                                                                                                                                            | 3 hours           | MATH 1613 Plane Trigonometry                                                  | 3 hours           |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          |
| <b>HISTORY AND GOVERNMENT COURSES</b>                                                                                                                                                                                       |                   | ORNT 1101 Freshman Orientation                                                | 1 hour            | Career Opportunities                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     |
| HIST 1483 American History to 1877 (OR) HIST 1493 American History Since 1877                                                                                                                                               | 3 hours           | POLI 1113 American Government                                                 | 3 hours           |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          |
| POLI 1113 American Government                                                                                                                                                                                               | 3 hours           | CS 1013 Visual Basic Programming                                              | 3 hours           | <ul style="list-style-type: none"> <li>• Programmer</li> <li>• Systems Analyst</li> </ul>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                |
| <b>HUMANITIES COURSES</b>                                                                                                                                                                                                   |                   | Computer Science Elective                                                     | 3 hours           |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          |
| PHIL 2213 Ethics (OR)                                                                                                                                                                                                       |                   | <b>SECOND SEMESTER</b>                                                        | 13-15 TOTAL HOURS | NOC evaluates students for placement into either foundational or college-level courses, whichever will lead to the greatest possibility of student success. Academic placement is determined either by A C T test scores or by Accuplacer test scores. These tests are administered in the Testing Center at NOC. Based upon the scores, students may be required to take one or more courses for remediation in English, Math, or Reading, either prior to or concurrent with credit courses. See the NOC testing web page by clicking on the following link: ACT   Northern Oklahoma College ( <a href="http://www.noc.edu/act">http://www.noc.edu/act</a> ) for placement guidelines. |
| PHIL 2223 Business Ethics                                                                                                                                                                                                   | 3 hours           | ENGL 1213 English Composition II                                              | 3 hours           |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          |
| One course to be chosen from those listed with the International Dimension.                                                                                                                                                 | 3 hours           | MATH 2103 Elementary Calculus (OR) MATH 2145 Calculus I (OR)                  |                   |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          |
| <b>MATHEMATICS COURSES</b>                                                                                                                                                                                                  |                   | MATH 2023 Elementary Statistics                                               | 3-5 hours         |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          |
| MATH 1513 College Algebra (OR)                                                                                                                                                                                              |                   | CS 2303 Java Programming                                                      | 3 hours           |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          |
| MATH 1613 Plane Trigonometry                                                                                                                                                                                                | 3 hours           | Science Elective                                                              | 4 hours           |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          |
| (Note: Plane Trigonometry is strongly recommended because it must be taken as a pre-requisite before taking Calculus I.)                                                                                                    |                   | <b>THIRD SEMESTER</b>                                                         | 16 TOTAL HOURS    |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          |
| <b>SCIENCE COURSES</b>                                                                                                                                                                                                      |                   | Science Elective                                                              | 4 hours           |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          |
| Two Sciences with Lab                                                                                                                                                                                                       | 8 hours           | CS 2313 Programming with C++                                                  | 3 hours           |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          |
| <b>COMPUTER SCIENCE COURSES</b>                                                                                                                                                                                             |                   | ACCT 2103 Accounting I-Financial                                              | 3 hours           |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          |
| CS 1113 Computer Concepts                                                                                                                                                                                                   |                   | ECON 2123 Microeconomic Principles                                            | 3 hours           |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          |
| BSAD 1113 Digital/Financial Literacy (or other approved computer course)                                                                                                                                                    | 3 hours           | Program/Gen Ed Elective                                                       | 3 hours           |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          |
| <b>ORIENTATION COURSES</b>                                                                                                                                                                                                  |                   | <b>FOURTH SEMESTER</b>                                                        | 15 TOTAL HOURS    |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          |
| ORNT 1101 Freshman Orientation                                                                                                                                                                                              | 1 hour            | HIST 1483 American History to 1877 (OR) HIST 1493 American History Since 1877 | 3 hours           |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          |
| <b>GENERAL EDUCATION ELECTIVE COURSES</b>                                                                                                                                                                                   | 4 hours           | PHIL 2213 Ethics (OR)                                                         |                   |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          |
| 1 hour can be combined with requirement for recommended electives below, or selected from courses in: Language Arts, Natural Sciences, Foreign Languages, Fine Arts, Humanities, Mathematics, Behavioral or Social Sciences |                   | PHIL 2223 Business Ethics                                                     | 3 hours           |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          |
| <b>PROGRAM REQUIREMENT COURSES</b>                                                                                                                                                                                          | 18-20 TOTAL HOURS | International Humanities Elective                                             | 3 hours           |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          |
| ACCT 2103 Accounting I-Financial                                                                                                                                                                                            | 3 hours           | *Program/Gen Ed Electives (2 courses)                                         | 6 hours           |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          |
| **CS 1013 Visual Basic Programming                                                                                                                                                                                          | 3 hours           |                                                                               |                   |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          |
| ECON 2113 Macroeconomic Principles (OR)                                                                                                                                                                                     |                   |                                                                               |                   |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          |
| ECON 2123 Microeconomic Principles                                                                                                                                                                                          | 3 hours           |                                                                               |                   |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          |
| **MATH 2103 Elementary Calculus (OR)                                                                                                                                                                                        |                   |                                                                               |                   |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          |
| **MATH 2145 Calculus I                                                                                                                                                                                                      | 3 hours           |                                                                               |                   |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          |
| MATH 2023 Elementary Statistics                                                                                                                                                                                             | 3 hours           |                                                                               |                   |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          |
| **CS 2303 Java Programming                                                                                                                                                                                                  | 3 hours           |                                                                               |                   |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          |
| **CS 2313 Programming with C++                                                                                                                                                                                              | 3 hours           |                                                                               |                   |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          |
| Programming Language substitutions may be made with prior approval.                                                                                                                                                         |                   |                                                                               |                   |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          |
| <b>RECOMMENDED PROGRAM ELECTIVE COURSES</b>                                                                                                                                                                                 | 5-6 TOTAL HOURS   |                                                                               |                   |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          |
| ACCT 2203 Accounting II-Managerial                                                                                                                                                                                          | 3 hours           |                                                                               |                   |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          |
| CS 2123 Business Tech & Applications                                                                                                                                                                                        | 3 hours           |                                                                               |                   |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          |
| ECON 2113 Macroeconomic Principles (OR)                                                                                                                                                                                     | 3 hours           |                                                                               |                   |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          |
| ECON 2123 Microeconomic Principles                                                                                                                                                                                          |                   |                                                                               |                   |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          |
| MATH 2023 Elementary Statistics                                                                                                                                                                                             | 3 hours           |                                                                               |                   |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          |
| **MATH 2155 Calculus II                                                                                                                                                                                                     | 5 hours           |                                                                               |                   |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          |
| <b>TOTAL CREDIT HOURS</b>                                                                                                                                                                                                   | 60-62             |                                                                               |                   |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          |

This is a suggested sequence timeline only. A student may require more than four semesters to complete an Associate in Science degree.

\*\*These program courses are typically offered only once a year. See course descriptions for fall or spring designations and plan accordingly.



**ENTERPRISE DEVELOPMENT – BUSINESS ADMINISTRATION AREA OF EMPHASIS**

(Note: Program requirements for this degree are offered on NOC Enid, NOC Stillwater, and NOC Tonkawa campuses.

At the beginning of each course listing, the four letter abbreviation indicates the department and the four digits indicate the course code used for enrollment. The total course hour value follows each.)

| <b>PROGRAM REQUIREMENTS</b>                                                                                                                                                                   |                       | <b>SUGGESTED COURSE SEQUENCE</b>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       |                       | The Enterprise Development Business Administration Area of Emphasis is a flexible two-year degree in business that includes the most desirable core competencies requested by employers and provides a degree completion framework that matches student aspirations with the needs of all industry sectors. The number of expected openings for accounting and billing clerks alone, according to OESC, exceeds the projected number of Oklahoma two-year business graduates during the same period. This degree completion program provides a well-rounded degree program while allowing the student to focus on the knowledge, skills, and attributes needed in his or her chosen field. Offering undergraduates the opportunity to learn and practice core skills for business growth, become leaders in an organization, master key technology processed, and continually upgrade those skills throughout their working years is the central theme of the degree completion program. |
|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-----------------------|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-----------------------|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
|                                                                                                                                                                                               | Credit Hours          |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        | Credit Hours          |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          |
| <b>GENERAL EDUCATION COURSES</b>                                                                                                                                                              | <b>37 TOTAL HOURS</b> | <b>FIRST SEMESTER</b>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  | <b>15 TOTAL HOURS</b> |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          |
| <b>ENGLISH COMPOSITION COURSES</b>                                                                                                                                                            |                       | ENGL 1113 English Composition I                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        | 3 hours               |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          |
| ENGL 1113 English Composition I                                                                                                                                                               | 3 hours               | MATH 1483 Math Functions (OR)                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          |                       |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          |
| ENGL 1213 English Composition II                                                                                                                                                              | 3 hours               | MATH 1513 College Algebra                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              | 3 hours               |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          |
| SPCH 1713 Intro to Oral Communications                                                                                                                                                        | 3 hours               | HIST 1483 American History to 1877 (OR) HIST 1493 American History Since 1877                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          | 3 hours               |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          |
| <b>HISTORY AND GOVERNMENT COURSES</b>                                                                                                                                                         |                       | Humanities Elective                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    | 3 hours               |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          |
| HIST 1483 American History to 1877 (OR) HIST 1493 American History Since 1877                                                                                                                 | 3 hours               | Computer Science Elective                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              | 3 hours               |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          |
| POLI 1113 American Government                                                                                                                                                                 | 3 hours               | <b>SECOND SEMESTER</b>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 | <b>15 TOTAL HOURS</b> |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          |
| <b>HUMANITIES COURSES</b>                                                                                                                                                                     |                       | ENGL 1213 English Composition II                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       | 3 hours               |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          |
| Electives                                                                                                                                                                                     | 6 hours               | POLI 1113 American Government                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          | 3 hours               |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          |
| <b>MATHEMATICS COURSES</b>                                                                                                                                                                    |                       | ACCT 2103 Accounting I-Financial                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       | 3 hours               |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          |
| MATH 1483 Math Functions (OR)                                                                                                                                                                 |                       | ECON 2123 Microeconomic Principles                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     | 3 hours               |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          |
| MATH 1513 College Algebra                                                                                                                                                                     | 3 hours               | BMGT 2143 Marketing                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    | 3 hours               |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          |
| <b>SCIENCE COURSES</b>                                                                                                                                                                        |                       | <b>THIRD SEMESTER</b>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  | <b>15 TOTAL HOURS</b> |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          |
| One Biological Science                                                                                                                                                                        | 3-4 hours             | Humanities Elective                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    | 3 hours               |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          |
| One Physical Science                                                                                                                                                                          | 3-4 hours             | Science Elective                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       | 3 hours               |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          |
| <b>TECHNOLOGY AND LANGUAGE COURSES</b>                                                                                                                                                        |                       | ACCT 2203 Accounting II-Managerial                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     | 3 hours               |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          |
| CS 1113 Computer Concepts (OR)                                                                                                                                                                |                       | ECON 2113 Macroeconomic Principles                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     | 3 hours               |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          |
| BSAD 1113 Digital/Financial Literacy                                                                                                                                                          | 3 hours               | SPCH 1713 Intro to Oral Communications                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 | 3 hours               |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          |
| Conversational Spanish (OR)                                                                                                                                                                   |                       | <b>FOURTH SEMESTER</b>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 | <b>15 TOTAL HOURS</b> |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          |
| other world language elective                                                                                                                                                                 | 3 hours               | Language Elective                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      | 3 hours               |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          |
| <b>PROGRAM REQUIREMENT COURSES</b>                                                                                                                                                            | <b>23 TOTAL HOURS</b> | Science Elective                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       | 4 hours               |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          |
| ACCT 2103 Accounting I-Financial                                                                                                                                                              | 3 hours               | BMGT 2240 Business Internship                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          | 3 hours               |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          |
| ACCT 2203 Accounting II-Managerial                                                                                                                                                            | 3 hours               | BSAD 2002 Business Seminar                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             | 2 hours               |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          |
| BMGT 2240 Business Internship                                                                                                                                                                 | 3 hours               | MATH 2023 Elementary Statistics                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        | 3 hours               |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          |
| **BMGT 2143 Marketing                                                                                                                                                                         | 3 hours               |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        |                       |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          |
| BSAD 2002 Business Seminar                                                                                                                                                                    | 2 hours               |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        |                       |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          |
| ECON 2113 Macroeconomic Principles                                                                                                                                                            | 3 hours               |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        |                       |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          |
| ECON 2123 Microeconomic Principles                                                                                                                                                            | 3 hours               |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        |                       |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          |
| MATH 2023 Elementary Statistics                                                                                                                                                               | 3 hours               |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        |                       |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          |
| <b>TOTAL CREDIT HOURS</b>                                                                                                                                                                     | <b>60</b>             | This is a suggested sequence timeline only. A student may require more than four semesters to complete an Associate in Science degree.                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 |                       |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          |
|                                                                                                                                                                                               |                       | NOC evaluates students for placement into either foundational or college-level courses, whichever will lead to the greatest possibility of student success. Academic placement is determined either by A C T test scores or by Accuplacer test scores. These tests are administered in the Testing Center at NOC. Based upon the scores, students may be required to take one or more courses for remediation in English, Math, or Reading, either prior to or concurrent with credit courses. See the NOC testing web page by clicking on the following link: <a href="http://www.noc.edu/act">ACT   Northern Oklahoma College (http://www.noc.edu/act)</a> for placement guidelines. |                       |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          |
| * Students scoring 26 or above on the math subsection of the ACT do not have to take MATH 1513 College Algebra and may take MATH 2023 Elementary Statistics or MATH 2103 Elementary Calculus. |                       | The general education core has a transfer guarantee between the community colleges and is also transferable to the research and regional Universities through the Course Equivalency Project.                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          |                       |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          |
| **These program courses are typically offered only once a year. See course descriptions for fall or spring designations and plan accordingly.                                                 |                       | The Business Division and this degree program are accredited by the Accreditation Council of Business Schools and Programs (ACBSP). Outstanding Business students are invited to join Kappa Beta Delta, the business honor society recognized by ACBSP.                                                                                                                                                                                                                                                                                                                                                                                                                                |                       |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          |

**ENTERPRISE DEVELOPMENT – GENERAL STUDIES AREA OF EMPHASIS**

(Note: Program requirements for this degree are offered on NOC Enid, NOC Stillwater, and NOC Tonkawa campuses, as well as online. At the beginning of each course listing, the four letter abbreviation indicates the department and the four digits indicate the course code used for enrollment. The total course hour value follows each.)

| PROGRAM REQUIREMENTS                                                                                                                                                                          |                       | SUGGESTED COURSE SEQUENCE                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                |                       | The Enterprise Development Arts and Sciences Area of Emphasis is a flexible two-year degree in business that includes the most desirable core competencies requested by employers and provides a degree completion framework that builds on the core competencies to provide a well-educated and well-rounded citizen in the workplace. This degree completion program allows the students to focus on the knowledge, skills, and attributes needed in his or her chosen field. This option is also designed to transfer directly to the "Reach Higher" Initiative offered by Oklahoma's Regional Colleges and Universities (Bachelor of Science in Organizational Leadership). This program is made possible by a consortium initiative between community colleges within the state of Oklahoma. The course in the general education core will be available "every semester in every format" from one or more of the community colleges participating in this consortium. The community colleges participating with Northern Oklahoma College in this degree completion initiative include: Carl Albert State college, Connors State College, Eastern Oklahoma State College, Murray State College, Northeastern Oklahoma A&M College, Redlands Community College, Rose State College, Seminole State College, Tulsa Community College, and Western Oklahoma State College. The general education core has a transfer guarantee between the community colleges and is also transferable to the research and regional Universities through the Course Equivalency Project. The Business Division and this degree program are accredited by the Accreditation Council of Business Schools and Programs (ACBSP). Outstanding Business students are invited to join Kappa Beta Delta, the business honor society recognized by ACBSP. |
|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-----------------------|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-----------------------|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
|                                                                                                                                                                                               | Credit Hours          |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          | Credit Hours          |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    |
| <b>GENERAL EDUCATION COURSES</b>                                                                                                                                                              | <b>37 TOTAL HOURS</b> | <b>FIRST SEMESTER</b>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    | <b>15 TOTAL HOURS</b> |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    |
| <b>ENGLISH COMPOSITION COURSES</b>                                                                                                                                                            |                       | ENGL 1113 English Composition I                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          | 3 hours               |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    |
| ENGL 1113 English Composition I                                                                                                                                                               | 3 hours               | MATH 1483 Math Functions (OR)                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            |                       |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    |
| ENGL 1213 English Composition II                                                                                                                                                              | 3 hours               | MATH 1513 College Algebra                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                | 3 hours               |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    |
| SPCH 1713 Intro to Oral Communications                                                                                                                                                        | 3 hours               | HIST 1483 American History to 1877 (OR) HIST 1493 American History Since 1877                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            | 3 hours               |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    |
| <b>HISTORY AND GOVERNMENT COURSES</b>                                                                                                                                                         |                       | Humanities Elective                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      | 3 hours               |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    |
| HIST 1483 American History to 1877 (OR) HIST 1493 American History Since 1877                                                                                                                 | 3 hours               | Computer Science Elective                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                | 3 hours               |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    |
| POLI 1113 American Government                                                                                                                                                                 | 3 hours               | <b>SECOND SEMESTER</b>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   | <b>15 TOTAL HOURS</b> |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    |
| <b>HUMANITIES COURSES</b>                                                                                                                                                                     |                       | ENGL 1213 English Composition II                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         | 3 hours               |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    |
| Electives                                                                                                                                                                                     | 6 hours               | POLI 1113 American Government                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            | 3 hours               |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    |
| <b>MATHEMATICS COURSES</b>                                                                                                                                                                    |                       | ACCT 2103 Accounting I-Financial                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         | 3 hours               |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    |
| MATH 1483 Math Functions (OR)                                                                                                                                                                 |                       | ECON 2123 Microeconomic Principles                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       | 3 hours               |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    |
| MATH 1513 College Algebra                                                                                                                                                                     | 3 hours               | BMGT 2143 Marketing                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      | 3 hours               |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    |
| <b>SCIENCE COURSES</b>                                                                                                                                                                        |                       | <b>THIRD SEMESTER</b>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    | <b>15 TOTAL HOURS</b> |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    |
| One Biological Science                                                                                                                                                                        | 3-4 hours             | Humanities Elective                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      | 3 hours               |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    |
| One Physical Science                                                                                                                                                                          | 3-4 hours             | Science Elective                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         | 4 hours               |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    |
| <b>TECHNOLOGY AND LANGUAGE COURSES</b>                                                                                                                                                        |                       | ACCT 2203 Accounting II-Managerial                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       | 3 hours               |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    |
| CS 1113 Computer Concepts (OR)                                                                                                                                                                |                       | ECON 2113 Macroeconomic Principles                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       | 3 hours               |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    |
| BSAD 1113 Digital/Financial Literacy                                                                                                                                                          | 3 hours               | SPCH 1713 Intro to Oral Communications                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   | 3 hours               |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    |
| Conversational Spanish (OR) other world language elective                                                                                                                                     | 3 hours               | <b>FOURTH SEMESTER</b>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   | <b>13 TOTAL HOURS</b> |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    |
| <b>PROGRAM REQUIREMENT COURSES</b>                                                                                                                                                            | <b>18 TOTAL HOURS</b> | Language Elective                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        | 3 hours               |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    |
| ACCT 2103 Accounting I-Financial                                                                                                                                                              | 3 hours               | Science Elective                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         | 4 hours               |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    |
| ACCT 2203 Accounting II-Managerial                                                                                                                                                            | 3 hours               | BMGT 2240 Business Internship                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            | 3 hours               |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    |
| BMGT 2240 Business Internship                                                                                                                                                                 | 3 hours               | BSAD 2002 Business Seminar                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               | 2 hours               |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    |
| **BMGT 2143 Marketing                                                                                                                                                                         | 3 hours               | MATH 2023 Elementary Statistics                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          | 3 hours               |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    |
| BSAD 2002 Business Seminar                                                                                                                                                                    | 2 hours               |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          |                       |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    |
| ECON 2113 Macroeconomic Principles                                                                                                                                                            | 3 hours               |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          |                       |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    |
| ECON 2123 Microeconomic Principles                                                                                                                                                            | 3 hours               |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          |                       |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    |
| MATH 2023 Elementary Statistics                                                                                                                                                               | 3 hours               |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          |                       |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    |
| <b>TOTAL CREDIT HOURS</b>                                                                                                                                                                     | <b>60</b>             | This is a suggested sequence timeline only. A student may require more than four semesters to complete an Associate in Science degree.                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   |                       |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    |
|                                                                                                                                                                                               |                       | NOC evaluates students for placement into either foundational or college-level courses, whichever will lead to the greatest possibility of student success. Academic placement is determined either by A C T test scores or by Accuplacer test scores. These tests are administered in the Testing Center at NOC. Based upon the scores, students may be required to take one or more courses for remediation in English, Math, or Reading, either prior to or concurrent with credit courses. See the NOC testing web page by clicking on the following link: ACT   Northern Oklahoma College ( <a href="http://www.noc.edu/act">http://www.noc.edu/act</a> ) for placement guidelines. |                       |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    |
| * Students scoring 26 or above on the math subsection of the ACT do not have to take MATH 1513 College Algebra and may take MATH 2023 Elementary Statistics or MATH 2103 Elementary Calculus. |                       |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          |                       |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    |
| **These program courses are typically offered only once a year. See course descriptions for fall or spring designations and plan accordingly.                                                 |                       |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          |                       |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    |

**HEALTH, PHYSICAL EDUCATION, AND RECREATION**

(Note: Program requirements for this degree are offered on NOC Enid and NOC Tonkawa campus only.

At the beginning of each course listing, the four letter abbreviation indicates the department and the four digits indicate the course code used for enrollment. The total course hour value follows each.)

| PROGRAM REQUIREMENTS                                                                                                                       |                        | SUGGESTED COURSE SEQUENCE                          |                          | The Associate in Science degree in Health, Physical Education, and Recreation is designed to prepare students to transfer to a four-year university to pursue a bachelor's degree.                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       |
|--------------------------------------------------------------------------------------------------------------------------------------------|------------------------|----------------------------------------------------|--------------------------|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
|                                                                                                                                            | Credit Hours           |                                                    | Credit Hours             |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          |
| <b>GENERAL EDUCATION COURSES</b>                                                                                                           | <b>37 TOTAL HOURS</b>  | <b>FIRST SEMESTER</b>                              | <b>16 TOTAL HOURS</b>    | Students should consult the catalog from the institution to which they are planning to transfer to carefully select courses that will meet requirements to complete their bachelor's degree.                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             |
| ENGLISH COMPOSITION COURSES                                                                                                                |                        | ENGL 1113 English Composition I                    | 3 hours                  |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          |
| ENGL 1113 English Composition I                                                                                                            | 3 hours                | MATH 1493 Math Applications (OR)                   |                          | Career Opportunities                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     |
| ENGL 1213 English Composition II                                                                                                           | 3 hours                | MATH 1513 College Algebra                          | 3 hours                  |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          |
| <b>HISTORY AND GOVERNMENT COURSES</b>                                                                                                      |                        | ORNT 1101 Freshman Orientation                     | 1 hour                   | • Coach                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  |
| HIST 1483 American History to 1877                                                                                                         |                        | BSAD 1113 Digital/Financial Literacy               | 3 hours                  |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          |
| (OR) HIST 1493 American History Since 1877                                                                                                 | 3 hours                | HPET 1132 Sports Officiating I (OR)                |                          | • Personal Trainer                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       |
| POLI 1113 American Government                                                                                                              | 3 hours                | HPET 1142 Sports Officiating II                    | 2 hours                  |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          |
| <b>HUMANITIES COURSES</b>                                                                                                                  |                        | HPET 1952 Intro to HPE&R                           | 2 hours                  | • Physical Education                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     |
| Electives                                                                                                                                  | 6 hours                | HPET 2212 First Aid                                | 2 hours                  |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          |
| One 3 hour course to be chosen from those listed with the International Dimension and 3 hours of humanities electives.                     |                        | <b>SECOND SEMESTER</b>                             | <b>15 TOTAL HOURS</b>    | • Instructor                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             |
| <b>MATHEMATICS COURSES</b>                                                                                                                 |                        | ENGL 1213 English Composition II                   | 3 hours                  |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          |
| MATH 1493 Math Applications (OR)                                                                                                           |                        | HIST 1483 American History to 1877                 |                          | NOC evaluates students for placement into either foundational or college-level courses, whichever will lead to the greatest possibility of student success. Academic placement is determined either by A C T test scores or by Accuplacer test scores. These tests are administered in the Testing Center at NOC. Based upon the scores, students may be required to take one or more courses for remediation in English, Math, or Reading, either prior to or concurrent with credit courses. See the NOC testing web page by clicking on the following link: <a href="http://www.noc.edu/act/">ACT   Northern Oklahoma College (http://www.noc.edu/act/)</a> for placement guidelines. |
| MATH 1513 College Algebra                                                                                                                  | 3 hours                | (OR) HIST 1493 American History Since 1877         | 3 hours                  |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          |
| <b>SCIENCE COURSES</b>                                                                                                                     |                        | HPET 1223 Health Education & Wellness              | 3 hours                  |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          |
| Two Sciences with Lab                                                                                                                      | 8 hours                | HPET 1113 Nutrition                                | 3 hours                  |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          |
| <b>COMPUTER SCIENCE COURSES</b>                                                                                                            |                        | Humanities Elective                                | 3 hours                  |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          |
| BSAD 1113 Digital/Financial Literacy (or other approved computer course)                                                                   | 3 hours                | <b>THIRD SEMESTER</b>                              | <b>15-16 TOTAL HOURS</b> |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          |
| <b>ORIENTATION COURSES</b>                                                                                                                 |                        | General Education Electives                        | 3 hours                  |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          |
| ORNT 1101 Freshman Orientation                                                                                                             | 1 hour                 | Science Elective                                   | 4 hours                  |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          |
| <b>GENERAL EDUCATION ELECTIVE COURSES</b>                                                                                                  | <b>4 hours</b>         | POLI 1113 American Government                      | 3 hours                  |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          |
| Select courses from: Language Arts, Natural Sciences, Foreign Languages, Fine Arts, Humanities, Mathematics, Behavioral or Social Sciences |                        | HPET 1950 Physical Ed. Field Experience            | 1 hour                   |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          |
| <b>PROGRAM REQUIREMENT COURSES</b>                                                                                                         | <b>19 TOTAL HOURS</b>  | Recommended Program Elective                       | 4-5 hours                |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          |
| HPET 1113 Nutrition                                                                                                                        | 3 hours                | <b>FOURTH SEMESTER</b>                             | <b>14 TOTAL HOURS</b>    |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          |
| HPET 1132 Sports Officiating I (OR)                                                                                                        |                        | HPET 2053 Introduction to Coaching                 | 3 hours                  |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          |
| HPET 1142 Sports Officiating II                                                                                                            | 3 hours                | HPET 2633 Care and Prevention of Athletic Injuries | 3 hours                  |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          |
| **HPET 2053 Introduction to Coaching                                                                                                       | 3 hours                | General Education Electives                        | 1 hour                   |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          |
| HPET 1223 Health Education & Wellness                                                                                                      | 3 hours                | Science Elective                                   | 4 hours                  |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          |
| HPET 1950 Physical Ed. Field Experience                                                                                                    | 1 hour                 | Humanities Elective                                | 3 hours                  |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          |
| **HPET 1952 Intro to HPE&R                                                                                                                 | 2 hours                |                                                    |                          |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          |
| HPET 2212 First Aid                                                                                                                        | 2 hours                |                                                    |                          |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          |
| HPET 2633 Care and Prevention of Athletic Injuries                                                                                         | 3 hours                |                                                    |                          |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          |
| Substitutions may be made with prior approval.                                                                                             |                        |                                                    |                          |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          |
| <b>RECOMMENDED PROGRAM ELECTIVE COURSES</b>                                                                                                | <b>4-5 TOTAL HOURS</b> |                                                    |                          |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          |
| BISI 2214 Human Anatomy & Physiology                                                                                                       |                        |                                                    |                          |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          |
| (OR) BISI 2104 Human Anatomy (OR)                                                                                                          |                        |                                                    |                          |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          |
| PSYC 1113 General Psychology                                                                                                               | 3 hours                |                                                    |                          |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          |
| AND course not taken above in program requirement choice:                                                                                  |                        |                                                    |                          |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          |
| HPET 1132 Sports Officiating I (OR)                                                                                                        |                        |                                                    |                          |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          |
| HPET 1142 Sports Officiating II                                                                                                            | 3 hours                |                                                    |                          |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          |
| <b>TOTAL CREDIT HOURS</b>                                                                                                                  | <b>60</b>              |                                                    |                          |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          |

This is a suggested sequence timeline only. A student may require more than four semesters to complete an Associate in Science degree.

\*\*These program courses are typically offered only once a year. See course descriptions for fall or spring designations and plan accordingly.

**HEALTH, PHYSICAL EDUCATION, AND RECREATION – ATHLETIC TRAINING OPTION**

(Note: Program requirements for this degree are offered on NOC Enid and NOC Tonkawa campus only.

At the beginning of each course listing, the four letter abbreviation indicates the department and the four digits indicate the course code used for enrollment. The total course hour value follows each.)

| PROGRAM REQUIREMENTS                                                                                                                       |                | SUGGESTED COURSE SEQUENCE                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                |                |
|--------------------------------------------------------------------------------------------------------------------------------------------|----------------|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|----------------|
|                                                                                                                                            | Credit Hours   |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          | Credit Hours   |
| GENERAL EDUCATION COURSES                                                                                                                  | 37 TOTAL HOURS | FIRST SEMESTER                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           | 16 TOTAL HOURS |
| ENGLISH COMPOSITION COURSES                                                                                                                |                | ENGL 1113 English Composition I                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          | 3 hours        |
| ENGL 1113 English Composition I                                                                                                            | 3 hours        | MATH 1513 College Algebra                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                | 3 hours        |
| ENGL 1213 English Composition II                                                                                                           | 3 hours        | ORNT 1101 Freshman Orientation                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           | 1 hour         |
| HISTORY AND GOVERNMENT COURSES                                                                                                             |                | BSAD 1113 Digital/Financial Literacy                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     | 3 hours        |
| HIST 1483 American History to 1877                                                                                                         |                | HPET 2212 First Aid                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      | 2 hours        |
| (OR) HIST 1493 American History Since 1877                                                                                                 | 3 hours        | BISI 1114 General Biology                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                | 4 hours        |
| POLI 1113 American Government                                                                                                              | 3 hours        | SECOND SEMESTER                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          | 14 TOTAL HOURS |
| HUMANITIES COURSES                                                                                                                         |                | ENGL 1213 English Composition II                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         | 3 hours        |
| Electives                                                                                                                                  | 6 hours        | CHEM 1314 General Chemistry                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              | 4 hours        |
| One 3 hour course to be chosen from those listed with the International Dimension and 3 hours of humanities electives.                     |                | HPET 2633 Care & Prevention of Athletic Injuries                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         | 3 hours        |
| MATHEMATICS COURSES                                                                                                                        |                | General Education Electives                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              | 4 hours        |
| MATH 1513 College Algebra                                                                                                                  | 3 hours        | THIRD SEMESTER                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           | 15 TOTAL HOURS |
| SCIENCE COURSES                                                                                                                            |                | POLI 1113 American Government                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            | 3 hours        |
| BISI 1114 General Biology                                                                                                                  | 4 hours        | BISI 2104 Human Anatomy                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  | 4 hours        |
| CHEM 1314 General Chemistry                                                                                                                | 4 hours        | HPET 1113 Nutrition                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      | 3 hours        |
| COMPUTER SCIENCE COURSES                                                                                                                   |                | HPET 2382 Athletic Training-Practicum I                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  | 2 hours        |
| BSAD 1113 Digital/Financial Literacy (or other approved computer course)                                                                   | 3 hours        | Humanities Elective                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      | 3 hours        |
| ORIENTATION COURSES                                                                                                                        |                | FOURTH SEMESTER                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          | 15 TOTAL HOURS |
| ORNT 1101 Freshman Orientation                                                                                                             | 1 hour         | Humanities Elective                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      | 3 hours        |
| GENERAL EDUCATION ELECTIVE COURSES                                                                                                         | 4 hours        | HIST 1483 American History to 1877 (OR) HIST 1493 American History Since 1877                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            | 3 hours        |
| Select courses from: Language Arts, Natural Sciences, Foreign Languages, Fine Arts, Humanities, Mathematics, Behavioral or Social Sciences |                | BISI 2204 Human Physiology                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               | 4 hours        |
| PROGRAM REQUIREMENT COURSES                                                                                                                | 23 TOTAL HOURS | HPET 1223 Health Education & Wellness                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    | 3 hours        |
| **BISI 2104 Human Anatomy                                                                                                                  | 4 hours        | HPET 2482 Athletic Training-Practicum II                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 | 2 hours        |
| **BISI 2204 Human Physiology                                                                                                               | 4 hours        | This is a suggested sequence timeline only. A student may require more than four semesters to complete an Associate in Science degree.                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   |                |
| HPET 1113 Nutrition                                                                                                                        | 3 hours        | **These program courses are typically offered only once a year. See course descriptions for fall or spring designations and plan accordingly.                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            |                |
| HPET 1223 Health Education & Wellness                                                                                                      | 3 hours        | NOC evaluates students for placement into either foundational or college-level courses, whichever will lead to the greatest possibility of student success. Academic placement is determined either by A C T test scores or by Accuplacer test scores. These tests are administered in the Testing Center at NOC. Based upon the scores, students may be required to take one or more courses for remediation in English, Math, or Reading, either prior to or concurrent with credit courses. See the NOC testing web page by clicking on the following link: ACT   Northern Oklahoma College ( <a href="http://www.noc.edu/act">http://www.noc.edu/act</a> ) for placement guidelines. |                |
| HPET 2212 First Aid                                                                                                                        | 2 hours        |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          |                |
| **HPET 2382 Athletic Training-Practicum I                                                                                                  | 2 hours        |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          |                |
| **HPET 2482 Athletic Training-Practicum II                                                                                                 | 2 hours        |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          |                |
| HPET 2633 Care & Prevention of Athletic Injuries                                                                                           | 3 hours        |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          |                |
| The first year will involve 75 to 85 hours of observation. The second year will involve 500 hours of clinical work.                        |                |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          |                |
| <b>TOTAL CREDIT HOURS</b>                                                                                                                  | <b>60</b>      |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          |                |

The Associate in Science degree in Athletic Training is designed to prepare students to pursue a bachelor's degree at a four-year institution.

Under the supervision of a licensed physician, the athletic trainer serves an important role in the health care system of recognizing, preventing, evaluating, managing, and rehabilitating sports injuries. Athletic Training is recognized by the American Medical Association as an allied health care profession. Specifically, the Athletic Trainer specializes in five practice areas: Prevention of athletic injuries; Recognition, evaluation, and immediate care of athletic injuries; Rehabilitation and reconditioning of athletic injuries; Health care administration; Education and counseling.

Students who desire to become candidates in Athletic Training are required to make a formal application to the Athletic Training department for admission to the program. This application must be submitted on or before April 15<sup>th</sup> and formal approval is required.

GPA and ACT composite scores are weighed heavily as acceptance is highly competitive.

#### Career Opportunities

- Athletic Trainer
- Physical Therapist
- Strength & Conditioning



**HEALTH, PHYSICAL EDUCATION, AND RECREATION – PERSONAL TRAINING OPTION**

(Note: Program requirements for this degree are offered on NOC Enid and NOC Tonkawa campus only.

At the beginning of each course listing, the four letter abbreviation indicates the department and the four digits indicate the course code used for enrollment. The total course hour value follows each.)

| PROGRAM REQUIREMENTS                                                                                                                       |                | SUGGESTED COURSE SEQUENCE                        |                | The Associate in Science degree in Health, Physical, Education, and Recreation is designed to prepare students to transfer to a four-year university to pursue a bachelor's degree.                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           |
|--------------------------------------------------------------------------------------------------------------------------------------------|----------------|--------------------------------------------------|----------------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
|                                                                                                                                            | Credit Hours   |                                                  | Credit Hours   |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               |
| <b>GENERAL EDUCATION COURSES</b>                                                                                                           | 37 TOTAL HOURS | <b>FIRST SEMESTER</b>                            | 16 TOTAL HOURS | <b>Students should consult the catalog from the institution to which they are planning to transfer to carefully select courses that will meet requirements to complete their bachelor's degree.</b>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           |
| ENGLISH COMPOSITION COURSES                                                                                                                |                | ENGL 1113 English Composition I                  | 3 hours        |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               |
| ENGL 1113 English Composition I                                                                                                            | 3 hours        | CS 1113 Computer Concepts (OR)                   |                | <b>Career Opportunities</b>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   |
| ENGL 1213 English Composition II                                                                                                           | 3 hours        | BSAD 1113 Digital/Financial Literacy             | 3 hours        |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               |
| <b>HISTORY AND GOVERNMENT COURSES</b>                                                                                                      |                | ORNT 1101 Freshman Orientation                   | 1 hour         | <b>• Coach</b>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                |
| HIST 1483 American History to 1877                                                                                                         |                | HPET 1233 Intro to Personal Training I           | 3 hours        |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               |
| (OR) HIST 1493 American History Since 1877                                                                                                 | 3 hours        | HPET 1233 Personal Training-Practicum I          | 2 hours        | <b>• Personal Trainer</b>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     |
| POLI 1113 American Government                                                                                                              | 3 hours        | HPET 2212 First Aid                              | 2 hours        |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               |
| <b>HUMANITIES COURSES</b>                                                                                                                  |                | HPET 1952 Intro to HPER                          | 2 hours        | <b>• Physical Education</b>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   |
| Electives                                                                                                                                  | 6 hours        | <b>SECOND SEMESTER</b>                           | 15 TOTAL HOURS |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               |
| One 3 hour course to be chosen from those listed with the International Dimension and 3 hours of humanities electives.                     |                | ENGL 1213 English Composition II                 | 3 hours        | <b>• Instructor</b>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           |
| <b>MATHEMATICS COURSES</b>                                                                                                                 |                | MATH 1493 Math Applications (OR)                 |                |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               |
| MATH 1493 Math Applications (OR)                                                                                                           |                | MATH 1513 College Algebra                        | 3 hours        | <b>NOC evaluates students for placement into either foundational or college-level courses, whichever will lead to the greatest possibility of student success. Academic placement is determined either by A C T test scores or by Accuplacer test scores. These tests are administered in the Testing Center at NOC. Based upon the scores, students may be required to take one or more courses for remediation in English, Math, or Reading, either prior to or concurrent with credit courses. See the NOC testing web page by clicking on the following link: ACT   Northern Oklahoma College (<a href="http://www.noc.edu/act">http://www.noc.edu/act</a>) for placement guidelines.</b> |
| MATH 1513 College Algebra                                                                                                                  | 3 hours        | BISI 1114 General Biology                        | 3 hours        |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               |
| <b>SCIENCE COURSES</b>                                                                                                                     |                | HPET 1243 Intro to Personal Training II          | 3 hours        |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               |
| BISI 1114 General Biology                                                                                                                  | 4 hours        | HPET 1242 Personal Training-Practicum II         | 2 hours        |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               |
| BISI 2104 Human Anatomy                                                                                                                    | 4 hours        | <b>THIRD SEMESTER</b>                            | 16 TOTAL HOURS |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               |
| <b>COMPUTER SCIENCE COURSES</b>                                                                                                            |                | HIST 1483 American History to 1877               |                |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               |
| CS 1113 Computer Concepts (OR)                                                                                                             |                | (OR) HIST 1493 American History Since 1877       | 3 hours        |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               |
| BSAD 1113 Digital/Financial Literacy (or other approved computer course)                                                                   | 3 hours        | BISI 2104 Human Anatomy                          | 4 hours        |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               |
| <b>ORIENTATION COURSES</b>                                                                                                                 |                | HPET 1113 Nutrition                              | 3 hours        |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               |
| ORNT 1101 Freshman Orientation                                                                                                             | 1 hour         | Humanities Elective                              | 3 hours        |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               |
| <b>GENERAL EDUCATION ELECTIVE COURSES</b>                                                                                                  | 4 hours        | General Education Electives                      | 3 hours        |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               |
| Select courses from: Language Arts, Natural Sciences, Foreign Languages, Fine Arts, Humanities, Mathematics, Behavioral or Social Sciences |                | <b>FOURTH SEMESTER</b>                           | 13 TOTAL HOURS |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               |
| <b>PROGRAM REQUIREMENT COURSES</b>                                                                                                         | 21 TOTAL HOURS | HPET 1223 Health Education & Wellness            | 3 hours        |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               |
| HPET 1113 Nutrition                                                                                                                        | 3 hours        | HPET 2633 Care & Prevention of Athletic Injuries | 3 hours        |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               |
| **HPET 1233 Intro to Personal Training I                                                                                                   | 3 hours        | POLI 1113 American Government                    | 3 hours        |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               |
| **HPET 1243 Intro to Personal Training II                                                                                                  | 3 hours        | Humanities Elective                              | 4 hours        |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               |
| HPET 1223 Health Education & Wellness                                                                                                      | 3 hours        | General Education Elective                       | 1 hour         |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               |
| **HPET 1232 Personal Training-Practicum I                                                                                                  | 2 hours        |                                                  |                |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               |
| **HPET 1242 Personal Training-Practicum II                                                                                                 | 2 hours        |                                                  |                |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               |
| HPET 2212 First Aid                                                                                                                        | 2 hours        |                                                  |                |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               |
| HPET 2633 Care & Prevention of Athletic Injuries                                                                                           | 3 hours        |                                                  |                |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               |
| Substitutions may be made with prior approval.                                                                                             |                |                                                  |                |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               |
| <b>RECOMMENDED PROGRAM ELECTIVE COURSES</b>                                                                                                | 2 TOTAL HOURS  |                                                  |                |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               |
| **HPET 1952 Intro to HPER                                                                                                                  | 2 hours        |                                                  |                |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               |
| Students may replace this class with an additional two hours of general education electives.                                               |                |                                                  |                |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               |
| <b>TOTAL CREDIT HOURS</b>                                                                                                                  | 60             |                                                  |                |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               |

**MATHEMATICS AND PHYSICAL SCIENCE**

(Note: Program requirements for this degree are offered on NOC Enid and NOC Tonkawa campus only.

At the beginning of each course listing, the four letter abbreviation indicates the department and the four digits indicate the course code used for enrollment. The total course hour value follows each.)

| <b>PROGRAM REQUIREMENTS</b>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              |                       | <b>SUGGESTED COURSE SEQUENCE</b>                                                                                                                                                                                                                                                                   |                       |
|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-----------------------|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-----------------------|
|                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          | Credit<br>Hours       |                                                                                                                                                                                                                                                                                                    | Credit<br>Hours       |
| <b>GENERAL EDUCATION COURSES</b>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         | <b>37 TOTAL HOURS</b> | <b>FIRST SEMESTER</b>                                                                                                                                                                                                                                                                              | <b>16 TOTAL HOURS</b> |
| ENGLISH COMPOSITION COURSES                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              |                       | ENGL 1113 English Composition I                                                                                                                                                                                                                                                                    | 3 hours               |
| ENGL 1113 English Composition I                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          | 3 hours               | MATH 1513 College Algebra                                                                                                                                                                                                                                                                          | 3 hours               |
| ENGL 1213 English Composition II                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         | 3 hours               | ORNT 1101 Freshman Orientation                                                                                                                                                                                                                                                                     | 1 hour                |
| <b>HISTORY AND GOVERNMENT COURSES</b>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    |                       | BSAD 1113 Digital/Financial Literacy                                                                                                                                                                                                                                                               | 3 hours               |
| HIST 1483 American History to 1877                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       |                       | MATH 1613 Plane Trigonometry                                                                                                                                                                                                                                                                       | 3 hours               |
| (OR) HIST 1493 American History Since 1877                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               | 3 hours               | Program/Gen Ed Elective                                                                                                                                                                                                                                                                            | 3 hours               |
| POLI 1113 American Government                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            | 3 hours               | <b>SECOND SEMESTER</b>                                                                                                                                                                                                                                                                             | <b>15 TOTAL HOURS</b> |
| <b>HUMANITIES COURSES</b>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                |                       | ENGL 1213 English Composition II                                                                                                                                                                                                                                                                   | 3 hours               |
| Electives                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                | 6 hours               | HIST 1483 American History to 1877                                                                                                                                                                                                                                                                 |                       |
| One 3 hour course to be chosen from those listed with the International Dimension and 3 hours of humanities electives.                                                                                                                                                                                                                                                                                                                                                                                                                                   |                       | (OR) HIST 1493 American History Since 1877                                                                                                                                                                                                                                                         | 3 hours               |
| <b>MATHEMATICS COURSES</b>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               |                       | MATH 2145 Calculus I                                                                                                                                                                                                                                                                               | 5 hours               |
| MATH 1513 College Algebra                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                | 3 hours               | CHEM 1314 General Chemistry I                                                                                                                                                                                                                                                                      | 4 hours               |
| <b>SCIENCE COURSES</b>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   |                       | <b>THIRD SEMESTER</b>                                                                                                                                                                                                                                                                              | <b>15 TOTAL HOURS</b> |
| CHEM 1314 General Chemistry I                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            | 4 hours               | POLI 1113 American Government                                                                                                                                                                                                                                                                      | 3 hours               |
| One additional science with lab                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          | 4 hours               | PHYS 2014 Engineering Physics                                                                                                                                                                                                                                                                      |                       |
| <b>COMPUTER SCIENCE COURSES</b>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          |                       | (OR) PHYS 1114 General Physics I                                                                                                                                                                                                                                                                   | 4 hours               |
| BSAD 1113 Digital/Financial Literacy                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     | 3 hours               | Humanities Elective                                                                                                                                                                                                                                                                                | 3 hours               |
| (or other approved computer course)                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      |                       | MATH 2155 Calculus II                                                                                                                                                                                                                                                                              | 5 hours               |
| <b>ORIENTATION COURSES</b>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               |                       | <b>FOURTH SEMESTER</b>                                                                                                                                                                                                                                                                             | <b>14 TOTAL HOURS</b> |
| ORNT 1101 Freshman Orientation                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           | 1 hour                | MATH 2613 Differential Equations                                                                                                                                                                                                                                                                   | 3 hours               |
| <b>GENERAL EDUCATION ELECTIVE COURSES</b>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                | <b>4 hours</b>        | Humanities Elective                                                                                                                                                                                                                                                                                | 3 hours               |
| (3 of 4 hours for these electives are designated for MATH 1613 Plane Trigonometry; 1 hour can be combined with requirement for recommended electives below, or selected from course in Language Arts, Natural Science, Foreign Languages, Fine Arts, Humanities, Mathematics, Behavioral, or Social Sciences.)                                                                                                                                                                                                                                           |                       | Science Elective                                                                                                                                                                                                                                                                                   | 4 hours               |
| <b>PROGRAM REQUIREMENT COURSES</b>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       | <b>17 TOTAL HOURS</b> | *Program/Gen Ed Electives                                                                                                                                                                                                                                                                          | 4 hours               |
| **MATH 2145 Calculus I                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   | 5 hours               | (2 courses)                                                                                                                                                                                                                                                                                        |                       |
| **MATH 2155 Calculus II                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  | 5 hours               |                                                                                                                                                                                                                                                                                                    |                       |
| **MATH 2613 Differential Equations                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       | 3 hours               |                                                                                                                                                                                                                                                                                                    |                       |
| **PHYS 2014 Engineering Physics                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          |                       |                                                                                                                                                                                                                                                                                                    |                       |
| (OR) PHYS 1114 General Physics I                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         | 4 hours               |                                                                                                                                                                                                                                                                                                    |                       |
| <b>RECOMMENDED PROGRAM ELECTIVE COURSES</b>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              | <b>6 TOTAL HOURS</b>  |                                                                                                                                                                                                                                                                                                    |                       |
| Select course from: Computer science, Physics, and Statistics.                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           |                       |                                                                                                                                                                                                                                                                                                    |                       |
| Other courses may be substituted with approval                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           |                       |                                                                                                                                                                                                                                                                                                    |                       |
| <b>TOTAL CREDIT HOURS</b>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                | <b>60</b>             |                                                                                                                                                                                                                                                                                                    |                       |
| <p>* Students scoring 26 or above on the math subsection of the ACT do not have to take MATH 1513 College Algebra. Students scoring 28 or above on the math subsection of the ACT do not have to take MATH 1613 Plane Trigonometry. Students not taking Algebra &amp; Trigonometry because of ACT scores or CLEP exam results are required to substitute 3-6 hours of credit in appropriate General Education Electives or RECOMMENDED PROGRAM ELECTIVES to complete 60 hours at NOC and maximize their transfer hours to the four-year institution.</p> |                       | <p>This is a suggested sequence timeline only. A student may require more than four semesters to complete an Associate in Science degree.</p> <p>**These program courses are typically offered only once a year. See course descriptions for fall or spring designations and plan accordingly.</p> |                       |

**The Associate in Science degree in Mathematics and Physical Science is designed to prepare students to transfer to a four-year university to pursue a bachelor's degree. Students should consult the catalog from the institution to which they are planning to transfer to complete the bachelor's degree.**

NOC evaluates students for placement into either foundational or college-level courses, whichever will lead to the greatest possibility of student success. Academic placement is determined either by A C T test scores or by Accuplacer test scores. These tests are administered in the Testing Center at NOC. Based upon the scores, students may be required to take one or more courses for remediation in English, Math, or Reading, either prior to or concurrent with credit courses. See the NOC testing web page by clicking on the following link: ACT | Northern Oklahoma College (<http://www.noc.edu/act>) for placement guidelines.



**MATHEMATICS AND PHYSICAL SCIENCE – ASTRONOMY OPTION**

(Note: Program requirements for this degree are offered on NOC Enid and NOC Tonkawa campus only.

At the beginning of each course listing, the four letter abbreviation indicates the department and the four digits indicate the course code used for enrollment. The total course hour value follows each.)

| PROGRAM REQUIREMENTS                                                                                                                                                                                                                                                                                           |                | SUGGESTED COURSE SEQUENCE                  |                | The Associate in Science degree in Mathematics and Physical Science is designed to prepare students to transfer to a four-year university to pursue a bachelor's degree. Students should consult the catalog from the institution to which they are planning to transfer to complete the bachelor's degree.                                                                                                                                                                                                                                                                                                                                                                              |
|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|----------------|--------------------------------------------|----------------|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
|                                                                                                                                                                                                                                                                                                                | Credit Hours   |                                            | Credit Hours   |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          |
| <b>GENERAL EDUCATION COURSES</b>                                                                                                                                                                                                                                                                               | 37 TOTAL HOURS | <b>FIRST SEMESTER</b>                      | 16 TOTAL HOURS | The Associate in Science degree in Mathematics and Physical Science is designed to prepare students to transfer to a four-year university to pursue a bachelor's degree. Students should consult the catalog from the institution to which they are planning to transfer to complete the bachelor's degree.                                                                                                                                                                                                                                                                                                                                                                              |
| ENGLISH COMPOSITION COURSES                                                                                                                                                                                                                                                                                    |                | ENGL 1113 English Composition I            | 3 hours        |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          |
| ENGL 1113 English Composition I                                                                                                                                                                                                                                                                                | 3 hours        | ORNT 1101 Freshman Orientation             | 1 hour         |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          |
| ENGL 1213 English Composition II                                                                                                                                                                                                                                                                               | 3 hours        | MATH 1513 College Algebra                  | 3 hours        |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          |
| <b>HISTORY AND GOVERNMENT COURSES</b>                                                                                                                                                                                                                                                                          |                | MATH 1613 Plane Trigonometry               | 3 hours        |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          |
| HIST 1483 American History to 1877                                                                                                                                                                                                                                                                             |                | ASTR 1523 Planetary Science                | 3 hours        |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          |
| (OR) HIST 1493 American History Since 1877                                                                                                                                                                                                                                                                     | 3 hours        | Humanities Elective                        | 3 hours        |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          |
| POLI 1113 American Government                                                                                                                                                                                                                                                                                  | 3 hours        | <b>SECOND SEMESTER</b>                     | 15 TOTAL HOURS |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          |
| <b>HUMANITIES COURSES</b>                                                                                                                                                                                                                                                                                      |                | ENGL 1213 English Composition II           | 3 hours        |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          |
| Electives                                                                                                                                                                                                                                                                                                      | 6 hours        | MATH 2145 Calculus I                       | 5 hours        |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          |
| One 3 hour course to be chosen from those listed with the International Dimension and 3 hours of humanities electives.                                                                                                                                                                                         |                | BSAD 1113 Digital/Financial Literacy       | 3 hours        | NOC evaluates students for placement into either foundational or college-level courses, whichever will lead to the greatest possibility of student success. Academic placement is determined either by A C T test scores or by Accuplacer test scores. These tests are administered in the Testing Center at NOC. Based upon the scores, students may be required to take one or more courses for remediation in English, Math, or Reading, either prior to or concurrent with credit courses. See the NOC testing web page by clicking on the following link: ACT   Northern Oklahoma College ( <a href="http://www.noc.edu/act">http://www.noc.edu/act</a> ) for placement guidelines. |
| <b>MATHEMATICS COURSES</b>                                                                                                                                                                                                                                                                                     |                | ESCI 1214 Earth Science                    | 4 hours        |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          |
| MATH 1513 College Algebra                                                                                                                                                                                                                                                                                      | 3 hours        | <b>THIRD SEMESTER</b>                      | 15 TOTAL HOURS |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          |
| <b>SCIENCE COURSES</b>                                                                                                                                                                                                                                                                                         |                | POLI 1113 American Government              | 3 hours        |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          |
| ESCI 1214 Earth Science                                                                                                                                                                                                                                                                                        | 4 hours        | CHEM 1314 Chemistry I                      | 4 hours        |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          |
| CHEM 1314 Chemistry I                                                                                                                                                                                                                                                                                          | 4 hours        | ASTR 2513 Observatory Methods              | 3 hours        |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          |
| <b>COMPUTER SCIENCE COURSES</b>                                                                                                                                                                                                                                                                                |                | MATH 2155 Calculus II                      | 5 hours        |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          |
| BSAD 1113 Digital/Financial Literacy (or other approved computer course)                                                                                                                                                                                                                                       | 3 hours        | <b>FOURTH SEMESTER</b>                     | 14 TOTAL HOURS |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          |
| <b>ORIENTATION COURSES</b>                                                                                                                                                                                                                                                                                     |                | HIST 1483 American History to 1877         |                |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          |
| ORNT 1101 Freshman Orientation                                                                                                                                                                                                                                                                                 | 1 hour         | (OR) HIST 1493 American History Since 1877 | 3 hours        |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          |
| <b>GENERAL EDUCATION ELECTIVE COURSES</b>                                                                                                                                                                                                                                                                      | 4 hours        | Humanities Elective                        | 3 hours        | This is a suggested sequence timeline only. A student may require more than four semesters to complete an Associate in Science degree.                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   |
| (3 of 4 hours for these electives are designated for MATH 1613 Plane Trigonometry; 1 hour can be combined with requirement for recommended electives below, or selected from course in Language Arts, Natural Science, Foreign Languages, Fine Arts, Humanities, Mathematics, Behavioral, or Social Sciences.) |                | Program/General Education                  | 8 hours        |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          |
| <b>PROGRAM REQUIREMENT COURSES</b>                                                                                                                                                                                                                                                                             | 16 TOTAL HOURS | Electives (2-3 courses)                    |                |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          |
| **ASTR 1523 Planetary Science                                                                                                                                                                                                                                                                                  | 3 hours        |                                            |                |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          |
| ASTR 2513 Observatory Methods                                                                                                                                                                                                                                                                                  | 3 hours        |                                            |                |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          |
| **MATH 2145 Calculus I                                                                                                                                                                                                                                                                                         | 5 hours        |                                            |                |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          |
| **MATH 2155 Calculus II                                                                                                                                                                                                                                                                                        | 5 hours        |                                            |                |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          |
| <b>RECOMMENDED PROGRAM ELECTIVE COURSES</b>                                                                                                                                                                                                                                                                    | 7 TOTAL HOURS  |                                            |                |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          |
| ASTR 1014 Survey of Astronomy                                                                                                                                                                                                                                                                                  | 4 hours        |                                            |                |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          |
| ** ASTR 1533 Search for Life in the University                                                                                                                                                                                                                                                                 | 3 hours        |                                            |                |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          |
| **ASTR 2563 Galaxies & Cosmology                                                                                                                                                                                                                                                                               | 3 hours        |                                            |                | **These program courses are typically offered only once a year. See course descriptions for fall or spring designations and plan accordingly.                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            |
| ESCI 1214 Earth Science                                                                                                                                                                                                                                                                                        | 4 hours        |                                            |                |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          |
| GEOL 1114 Physical Geology                                                                                                                                                                                                                                                                                     | 4 hours        |                                            |                |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          |
| **PHSY 1114 Physics I                                                                                                                                                                                                                                                                                          | 4 hours        |                                            |                |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          |
| <b>TOTAL CREDIT HOURS</b>                                                                                                                                                                                                                                                                                      | 60             |                                            |                |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          |

**MATHEMATICS AND PHYSICAL SCIENCE – CHEMISTRY/PHYSICS OPTION**

(Note: Program requirements for this degree are offered on NOC Enid and NOC Tonkawa campus only.

At the beginning of each course listing, the four letter abbreviation indicates the department and the four digits indicate the course code used for enrollment. The total course hour value follows each.)

| PROGRAM REQUIREMENTS                                                                                                                                                                                                                                                                                           |                       | SUGGESTED COURSE SEQUENCE                                                                                                                     |                       | The Chemistry/Physics degree option prepares students to transfer to a four-year university to pursue a bachelor's degree. The program is an excellent starting place for students considering careers in research, medicine, or academia.                                                                                                                                                                                                                                                                                                                                                                                                                                               |
|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-----------------------|-----------------------------------------------------------------------------------------------------------------------------------------------|-----------------------|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
|                                                                                                                                                                                                                                                                                                                | Credit Hours          |                                                                                                                                               | Credit Hours          |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          |
| <b>GENERAL EDUCATION COURSES</b>                                                                                                                                                                                                                                                                               | <b>37 TOTAL HOURS</b> | <b>FIRST SEMESTER</b>                                                                                                                         | <b>17 TOTAL HOURS</b> | <b>Students transferring should consult the catalog from the institution to which they are planning to transfer to carefully select courses that will meet requirements to complete their bachelor's degree.</b>                                                                                                                                                                                                                                                                                                                                                                                                                                                                         |
| ENGLISH COMPOSITION COURSES                                                                                                                                                                                                                                                                                    |                       | ENGL 1113 English Composition I                                                                                                               | 3 hours               |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          |
| ENGL 1113 English Composition I                                                                                                                                                                                                                                                                                | 3 hours               | ORNT 1101 Freshman Orientation                                                                                                                | 1 hour                | <b>Career Opportunities</b>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              |
| ENGL 1213 English Composition II                                                                                                                                                                                                                                                                               | 3 hours               | MATH 1513 College Algebra (Pre-Calculus)                                                                                                      | 3 hours               |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          |
| <b>HISTORY AND GOVERNMENT COURSES</b>                                                                                                                                                                                                                                                                          |                       | MATH 1613 Plane Trigonometry                                                                                                                  | 3 hours               | <ul style="list-style-type: none"> <li>• Entry-Level Scientist</li> <li>• High School Science</li> <li>• Teacher</li> <li>• Meteorologist</li> <li>• Geologist</li> <li>• Laboratory Chemist</li> </ul>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  |
| HIST 1483 American History to 1877 (OR) HIST 1493 American History Since 1877                                                                                                                                                                                                                                  | 3 hours               | CHEM 1314 General Chemistry I                                                                                                                 | 4 hours               |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          |
| POLI 1113 American Government                                                                                                                                                                                                                                                                                  | 3 hours               | Humanities Electives                                                                                                                          | 3 hours               | NOC evaluates students for placement into either foundational or college-level courses, whichever will lead to the greatest possibility of student success. Academic placement is determined either by A C T test scores or by Accuplacer test scores. These tests are administered in the Testing Center at NOC. Based upon the scores, students may be required to take one or more courses for remediation in English, Math, or Reading, either prior to or concurrent with credit courses. See the NOC testing web page by clicking on the following link: ACT   Northern Oklahoma College ( <a href="http://www.noc.edu/act">http://www.noc.edu/act</a> ) for placement guidelines. |
| <b>HUMANITIES COURSES</b>                                                                                                                                                                                                                                                                                      |                       | <b>SECOND SEMESTER</b>                                                                                                                        | <b>15 TOTAL HOURS</b> |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          |
| Electives                                                                                                                                                                                                                                                                                                      | 6 hours               | ENGL 1213 English Composition II                                                                                                              | 3 hours               |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          |
| One 3 hour course to be chosen from those listed with the International Dimension and 3 hours of humanities electives.                                                                                                                                                                                         | 3 hours               | HIST 1483 American History to 1877 (OR) HIST 1493 American History Since 1877                                                                 | 3 hours               |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          |
| <b>MATHEMATICS COURSES</b>                                                                                                                                                                                                                                                                                     |                       | CHEM 1414 General Chemistry II                                                                                                                | 4 hours               |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          |
| MATH 1513 College Algebra                                                                                                                                                                                                                                                                                      | 3 hours               | MATH 2145 Calculus I                                                                                                                          | 5 hours               |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          |
| <b>SCIENCE COURSES</b>                                                                                                                                                                                                                                                                                         |                       | <b>THIRD SEMESTER</b>                                                                                                                         | <b>15 TOTAL HOURS</b> |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          |
| One Biological Science with Lab                                                                                                                                                                                                                                                                                | 4 hours               | BSAD 1113 Digital/Financial Literacy                                                                                                          | 3 hours               |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          |
| CHEM 1314 Chemistry I                                                                                                                                                                                                                                                                                          | 4 hours               | MATH 2155 Calculus II                                                                                                                         | 5 hours               |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          |
| <b>COMPUTER SCIENCE COURSES</b>                                                                                                                                                                                                                                                                                |                       | PHYS 2014 Engineering Physics I                                                                                                               | 4 hours               |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          |
| BSAD 1113 Digital/Financial Literacy (or other approved computer course)                                                                                                                                                                                                                                       | 3 hours               | Humanities Electives                                                                                                                          | 3 hours               |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          |
| <b>ORIENTATION COURSES</b>                                                                                                                                                                                                                                                                                     |                       | <b>FOURTH SEMESTER</b>                                                                                                                        | <b>13 TOTAL HOURS</b> |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          |
| ORNT 1101 Freshman Orientation                                                                                                                                                                                                                                                                                 | 1 hour                | POLI 1113 American Government                                                                                                                 | 3 hours               |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          |
| <b>GENERAL EDUCATION ELECTIVE COURSES</b>                                                                                                                                                                                                                                                                      | <b>4 hours</b>        | BISI 1114 General Biology (OR)                                                                                                                | 4 hours               |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          |
| (3 of 4 hours for these electives are designated for MATH 1613 Plane Trigonometry; 1 hour can be combined with requirement for recommended electives below, or selected from course in Language Arts, Natural Science, Foreign Languages, Fine Arts, Humanities, Mathematics, Behavioral, or Social Sciences.) |                       | BISI 1414 General Zoology                                                                                                                     | 4 hours               |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          |
| <b>PROGRAM REQUIREMENT COURSES</b>                                                                                                                                                                                                                                                                             | <b>18 TOTAL HOURS</b> | *Program/Gen Ed Electives (2 courses)                                                                                                         | 6 hours               |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          |
| **CHEM 1414 General Chemistry II                                                                                                                                                                                                                                                                               | 4 hours               | This is a suggested sequence timeline only. A student may require more than four semesters to complete an Associate in Science degree.        |                       |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          |
| **PHYS 2014 Engineering Physics I                                                                                                                                                                                                                                                                              | 4 hours               |                                                                                                                                               |                       |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          |
| **MATH 2145 Calculus I                                                                                                                                                                                                                                                                                         | 5 hours               |                                                                                                                                               |                       |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          |
| **MATH 2155 Calculus II                                                                                                                                                                                                                                                                                        | 5 hours               |                                                                                                                                               |                       |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          |
| <b>RECOMMENDED PROGRAM ELECTIVE COURSES</b>                                                                                                                                                                                                                                                                    | <b>5 TOTAL HOURS</b>  | * Hours from recommended program electives and general education electives in Science may be combined for final 6 hours required to graduate. |                       |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          |
| **MATH 2613 Differential Equations                                                                                                                                                                                                                                                                             | 3 hours               |                                                                                                                                               |                       |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          |
| **PHYS 2114 Engineering Physics II                                                                                                                                                                                                                                                                             | 4 hours               |                                                                                                                                               |                       |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          |
| **PRDV 2321 Professional Development                                                                                                                                                                                                                                                                           | 1 hour                |                                                                                                                                               |                       |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          |
| BISI 1214 Environmental Science                                                                                                                                                                                                                                                                                | 4 hours               | **These program courses are typically offered only once a year. See course descriptions for fall or spring designations and plan accordingly. |                       |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          |
| <b>TOTAL CREDIT HOURS</b>                                                                                                                                                                                                                                                                                      | <b>60</b>             |                                                                                                                                               |                       |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          |

**MATHEMATICS AND PHYSICAL SCIENCE – MATHEMATICS OPTION**

(Note: Program requirements for this degree are offered on NOC Enid and NOC Tonkawa campus only.

At the beginning of each course listing, the four letter abbreviation indicates the department and the four digits indicate the course code used for enrollment. The total course hour value follows each.)

| PROGRAM REQUIREMENTS                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         |                | SUGGESTED COURSE SEQUENCE                                                                                                                     |                | The Mathematics degree option is designed to prepare students to transfer to a four-university to pursue a bachelor's degree.      |
|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|----------------|-----------------------------------------------------------------------------------------------------------------------------------------------|----------------|------------------------------------------------------------------------------------------------------------------------------------|
|                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              | Credit Hours   |                                                                                                                                               | Credit Hours   |                                                                                                                                    |
| GENERAL EDUCATION COURSES                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    | 37 TOTAL HOURS | FIRST SEMESTER                                                                                                                                | 16 TOTAL HOURS | Students should consult the catalog from the institution to which they are planning to transfer to complete the bachelor's degree. |
| ENGLISH COMPOSITION COURSES                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  |                | ENGL 1113 English Composition I                                                                                                               | 3 hours        |                                                                                                                                    |
| ENGL 1113 English Composition I                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              | 3 hours        | BSAD 1113 Digital/Financial Literacy                                                                                                          | 3 hours        |                                                                                                                                    |
| ENGL 1213 English Composition II                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             | 3 hours        | ORNT 1101 Freshman Orientation                                                                                                                | 1 hour         |                                                                                                                                    |
| HISTORY AND GOVERNMENT COURSES                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               |                | MATH 1513 College Algebra (Pre-Calculus)                                                                                                      | 3 hours        |                                                                                                                                    |
| HIST 1483 American History to 1877                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           |                | MATH 1613 Plane Trigonometry                                                                                                                  | 3 hours        |                                                                                                                                    |
| (OR) HIST 1493 American History Since 1877                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   | 3 hours        | Humanities Elective                                                                                                                           | 3 hours        |                                                                                                                                    |
| POLI 1113 American Government                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                | 3 hours        |                                                                                                                                               |                |                                                                                                                                    |
| HUMANITIES COURSES                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           |                | SECOND SEMESTER                                                                                                                               | 15 TOTAL HOURS |                                                                                                                                    |
| Electives                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    | 6 hours        | ENGL 1213 English Composition II                                                                                                              | 3 hours        |                                                                                                                                    |
| One 3 hour course to be chosen from those listed with the International Dimension and 3 hours of humanities electives.                                                                                                                                                                                                                                                                                                                                                                                                                       |                | HIST 1483 American History to 1877 (OR) HIST 1493 American History Since 1877                                                                 | 3 hours        |                                                                                                                                    |
| MATHEMATICS COURSES                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          |                | MATH 2145 Calculus I                                                                                                                          | 3 hours        |                                                                                                                                    |
| MATH 1513 College Algebra                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    | 3 hours        | Science Elective (Biological or Physical)                                                                                                     | 4 hours        |                                                                                                                                    |
| SCIENCE COURSES                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              |                |                                                                                                                                               |                |                                                                                                                                    |
| One Biological Science with Lab                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              | 4 hours        | THIRD SEMESTER                                                                                                                                | 15 TOTAL HOURS |                                                                                                                                    |
| One Physical or Bio Science with Lab                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         | 4 hours        | POLI 1113 American Government                                                                                                                 | 3 hours        |                                                                                                                                    |
| COMPUTER SCIENCE COURSES                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     |                | Science Elective (Biological or Physical)                                                                                                     | 4 hours        |                                                                                                                                    |
| BSAD 1113 Digital/Financial Literacy (or other approved computer course)                                                                                                                                                                                                                                                                                                                                                                                                                                                                     | 3 hours        | Humanities Elective                                                                                                                           | 3 hours        |                                                                                                                                    |
| ORIENTATION COURSES                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          |                | MATH 2155 Calculus II                                                                                                                         | 5 hours        |                                                                                                                                    |
| ORNT 1101 Freshman Orientation                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               | 1 hour         |                                                                                                                                               |                |                                                                                                                                    |
| GENERAL EDUCATION ELECTIVE COURSES                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           | 4 hours        | FOURTH SEMESTER                                                                                                                               | 14 TOTAL HOURS |                                                                                                                                    |
| (3 of 4 hours for these electives are designated for MATH 1613 Plane Trigonometry; 1 hour can be combined with requirement for recommended electives below, or selected from course in Language Arts, Natural Science, Foreign Languages, Fine Arts, Humanities, Mathematics, Behavioral, or Social Sciences.)                                                                                                                                                                                                                               |                | MATH 2613 Differential Equations                                                                                                              | 3 hours        |                                                                                                                                    |
| PROGRAM REQUIREMENT COURSES                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  | 13 TOTAL HOURS | Program Electives                                                                                                                             | 7 hours        |                                                                                                                                    |
| **MATH 2145 Calculus I                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       | 5 hours        | General Education Electives                                                                                                                   | 4 hours        |                                                                                                                                    |
| **MATH 2155 Calculus II                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      | 5 hours        |                                                                                                                                               |                |                                                                                                                                    |
| **MATH 2613 Differential Equations                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           | 3 hours        |                                                                                                                                               |                |                                                                                                                                    |
| RECOMMENDED PROGRAM ELECTIVE COURSES                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         | 10 TOTAL HOURS |                                                                                                                                               |                |                                                                                                                                    |
| Select course from Computer Science, Physics, and Statistics.                                                                                                                                                                                                                                                                                                                                                                                                                                                                                |                |                                                                                                                                               |                |                                                                                                                                    |
| Other course may be substituted with approval.                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               |                |                                                                                                                                               |                |                                                                                                                                    |
| TOTAL CREDIT HOURS                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           | 60             |                                                                                                                                               |                |                                                                                                                                    |
| * Students scoring 26 or above on the math subsection of the ACT do not have to take MATH 1513 College Algebra. Students scoring 28 or above on the math subsection of the ACT o not have to take MATH 1613 Plane Trigonometry. Students not taking Algebra & Trigonometry because of ACT scores or CLEP exam results are required to substitute 3-6 hours of credit in appropriate General Education Electives or RECOMMENDED PROGRAM ELECTIVES to complete 60 hours at NOC and maximize their transfer hours to the four-year institution. |                | This is a suggested sequence timeline only. A student may require more than four semesters to complete an Associate in Science degree.        |                |                                                                                                                                    |
|                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              |                | **These program courses are typically offered only once a year. See course descriptions for fall or spring designations and plan accordingly. |                |                                                                                                                                    |

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| NOC evaluates students for placement into either foundational or college-level courses, whichever will lead to the greatest possibility of student success. Academic placement is determined either by A C T test scores or by Accuplacer test scores. These tests are administered in the Testing Center at NOC. Based upon the scores, students may be required to take one or more courses for remediation in English, Math, or Reading, either prior to or concurrent with credit courses. See the NOC testing web page by clicking on the following link: ACT   Northern Oklahoma College ( <a href="http://www.noc.edu/act">http://www.noc.edu/act</a> ) for placement guidelines. |
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**MATHEMATICS AND PHYSICAL SCIENCE – PRE-ENGINEERING OPTION**

(Note: Program requirements for this degree are offered on NOC Tonkawa campus only.

At the beginning of each course listing, the four letter abbreviation indicates the department and the four digits indicate the course code used for enrollment. The total course hour value follows each.)

| PROGRAM REQUIREMENTS                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    |                | SUGGESTED COURSE SEQUENCE                                                                                                                     |                | The Pre-Engineering degree option is designed to transfer into all disciplines of engineering. It is important to secure a catalog from the engineering school to transfer so you may select the courses to meet the requirements needed to obtain the bachelor's degree your choose. The program features small class size and individual attention for this challenging degree. |
|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|----------------|-----------------------------------------------------------------------------------------------------------------------------------------------|----------------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
|                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         | Credit Hours   |                                                                                                                                               | Credit Hours   |                                                                                                                                                                                                                                                                                                                                                                                   |
| GENERAL EDUCATION COURSES                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               | 37 TOTAL HOURS | FIRST SEMESTER                                                                                                                                | 14 TOTAL HOURS | <b>Career Opportunities</b><br><br>• Architect/Designer<br><br>• Chemical Engineer<br><br>• Civil Engineer<br><br>• Electrical Engineer<br><br>• Mechanical Engineer<br><br>• Metallurgical Engineer<br><br>• Petroleum Engineer                                                                                                                                                  |
| ENGLISH COMPOSITION COURSES                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             |                | ENGL 1113 English Composition I                                                                                                               | 3 hours        |                                                                                                                                                                                                                                                                                                                                                                                   |
| ENGL 1113 English Composition I                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         | 3 hours        | CHEM 1314 General Chemistry I                                                                                                                 | 4 hours        |                                                                                                                                                                                                                                                                                                                                                                                   |
| ENGL 1213 English Composition II                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        | 3 hours        | ORNT 1101 Freshman Orientation                                                                                                                | 1 hour         |                                                                                                                                                                                                                                                                                                                                                                                   |
| HISTORY AND GOVERNMENT COURSES                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          |                | MATH 1513 College Algebra (Pre-Calculus)                                                                                                      | 3 hours        |                                                                                                                                                                                                                                                                                                                                                                                   |
| HIST 1483 American History to 1877 (OR) HIST 1493 American History Since 1877                                                                                                                                                                                                                                                                                                                                                                                                                                                                           | 3 hours        | MATH 1613 Plane Trigonometry                                                                                                                  | 3 hours        |                                                                                                                                                                                                                                                                                                                                                                                   |
| POLI 1113 American Government                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           | 3 hours        | SECOND SEMESTER                                                                                                                               | 16 TOTAL HOURS |                                                                                                                                                                                                                                                                                                                                                                                   |
| HUMANITIES COURSES                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      |                | ENGL 1213 English Composition II                                                                                                              | 3 hours        |                                                                                                                                                                                                                                                                                                                                                                                   |
| Electives                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               | 6 hours        | MATH 2145 Calculus I                                                                                                                          | 5 hours        |                                                                                                                                                                                                                                                                                                                                                                                   |
| One 3 hour course to be chosen from those listed with the International Dimension and 3 hours of humanities electives.                                                                                                                                                                                                                                                                                                                                                                                                                                  |                | PHYS 2014 Engineering Physics                                                                                                                 | 4 hours        |                                                                                                                                                                                                                                                                                                                                                                                   |
| MATHEMATICS COURSES                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     |                | CHEM 1314 General Chemistry I                                                                                                                 | 4 hours        |                                                                                                                                                                                                                                                                                                                                                                                   |
| MATH 1513 College Algebra                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               | 3 hours        | THIRD SEMESTER                                                                                                                                | 15 TOTAL HOURS |                                                                                                                                                                                                                                                                                                                                                                                   |
| SCIENCE COURSES                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         |                | HIST 1483 American History to 1877 (OR) HIST 1493 American History Since 1877                                                                 | 3 hours        |                                                                                                                                                                                                                                                                                                                                                                                   |
| CHEM 1314 General Chemistry I                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           | 4 hours        | ENGR 2443 Thermodynamics                                                                                                                      | 3 hours        |                                                                                                                                                                                                                                                                                                                                                                                   |
| CHEM 1414 General Chemistry II                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          | 4 hours        | MATH 2155 Calculus II                                                                                                                         | 5 hours        |                                                                                                                                                                                                                                                                                                                                                                                   |
| COMPUTER SCIENCE COURSES                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                |                | PHYS 2114 Engineering Physics II                                                                                                              | 4 hours        |                                                                                                                                                                                                                                                                                                                                                                                   |
| CS 1013 Visual BASIC (or other approved computer course)                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                | 3 hours        | FOURTH SEMESTER                                                                                                                               | 15 TOTAL HOURS |                                                                                                                                                                                                                                                                                                                                                                                   |
| ORIENTATION COURSES                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     |                | POLI 1113 American Government                                                                                                                 | 3 hours        |                                                                                                                                                                                                                                                                                                                                                                                   |
| ORNT 1101 Freshman Orientation                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          | 1 hour         | ENGR 2113 Statics (OR)                                                                                                                        |                |                                                                                                                                                                                                                                                                                                                                                                                   |
| GENERAL EDUCATION ELECTIVE COURSES                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      | 4 hours        | MATH 2613 Differential Equations                                                                                                              | 3 hours        |                                                                                                                                                                                                                                                                                                                                                                                   |
| (3 of 4 hours for these electives are designated for MATH 1613 Plane Trigonometry; 1 hour can be combined with requirement for recommended electives below, or selected from course in Language Arts, Natural Science, Foreign Languages, Fine Arts, Humanities, Mathematics, Behavioral, or Social Sciences.)                                                                                                                                                                                                                                          |                | Humanities Elective                                                                                                                           | 3 hours        |                                                                                                                                                                                                                                                                                                                                                                                   |
| PROGRAM REQUIREMENT COURSES                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             | 18 TOTAL HOURS | Humanities Elective                                                                                                                           | 3 hours        |                                                                                                                                                                                                                                                                                                                                                                                   |
| **MATH 2145 Calculus I                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  | 5 hours        | CS 1013 Visual BASIC                                                                                                                          | 3 hours        |                                                                                                                                                                                                                                                                                                                                                                                   |
| **MATH 2155 Calculus II                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 | 5 hours        |                                                                                                                                               |                |                                                                                                                                                                                                                                                                                                                                                                                   |
| **PHYS 2014 Engineering Physics I                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       | 4 hours        |                                                                                                                                               |                |                                                                                                                                                                                                                                                                                                                                                                                   |
| **PHYS 2114 Engineering Physics II                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      | 4 hours        |                                                                                                                                               |                |                                                                                                                                                                                                                                                                                                                                                                                   |
| RECOMMENDED PROGRAM ELECTIVE COURSES                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    | 6 TOTAL HOURS  |                                                                                                                                               |                |                                                                                                                                                                                                                                                                                                                                                                                   |
| **ENGR 2113 Statics                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     | 3 hours        |                                                                                                                                               |                |                                                                                                                                                                                                                                                                                                                                                                                   |
| **ENGR 2443 Thermodynamics                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              | 3 hours        |                                                                                                                                               |                |                                                                                                                                                                                                                                                                                                                                                                                   |
| **MATH 2613 Differential Equations                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      | 3 hours        |                                                                                                                                               |                |                                                                                                                                                                                                                                                                                                                                                                                   |
| TOTAL CREDIT HOURS                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      | 61             | Students need to consult with the engineering school of interest for Chemistry and Biology requirements.                                      |                |                                                                                                                                                                                                                                                                                                                                                                                   |
| <i>* Students scoring 26 or above on the math subsection of the ACT do not have to take MATH 1513 College Algebra. Students scoring 28 or above on the math subsection of the ACT o not have to take MATH 1613 Plane Trigonometry. Students not taking Algebra &amp; Trigonometry because of ACT scores or CLEP exam results are required to substitute 3-6 hours of credit in appropriate General Education Electives or RECOMMENDED PROGRAM ELECTIVES to complete 60 hours at NOC and maximize their transfer hours to the four-year institution.</i> |                | This is a suggested sequence timeline only. A student may require more than four semesters to complete an Associate in Science degree.        |                |                                                                                                                                                                                                                                                                                                                                                                                   |
|                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         |                | **These program courses are typically offered only once a year. See course descriptions for fall or spring designations and plan accordingly. |                |                                                                                                                                                                                                                                                                                                                                                                                   |
|                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         |                |                                                                                                                                               |                |                                                                                                                                                                                                                                                                                                                                                                                   |

NOC evaluates students for placement into either foundational or college-level courses, whichever will lead to the greatest possibility of student success. Academic placement is determined either by A C T test scores or by Accuplacer test scores. These tests are administered in the Testing Center at NOC. Based upon the scores, students may be required to take one or more courses for remediation in English, Math, or Reading, either prior to or concurrent with credit courses. See the NOC testing web page by clicking on the following link: ACT | Northern Oklahoma College (<http://www.noc.edu/act>) for placement guidelines.



**NURSING, PRE-BACCALAUREATE, PRE-PROFESSIONAL**

(Note: Program requirements for this degree are offered on NOC Enid, NOC Fountain Square-Stillwater, and NOC Tonkawa campuses. At the beginning of each course listing, the four letter abbreviation indicates the department and the four digits indicate the course code used for enrollment. The total course hour value follows each.)

| PROGRAM REQUIREMENTS                                                                                                                                                                                                                                                       |                | SUGGESTED COURSE SEQUENCE                                                                                                                     |                | This Associate in Science degree program prepares students to transfer to a four-year university to pursue the Bachelor's degree in Nursing.                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             |
|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|----------------|-----------------------------------------------------------------------------------------------------------------------------------------------|----------------|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
|                                                                                                                                                                                                                                                                            | Credit Hours   |                                                                                                                                               | Credit Hours   |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          |
| <b>GENERAL EDUCATION COURSES</b>                                                                                                                                                                                                                                           | 37 TOTAL HOURS | <b>FIRST SEMESTER</b>                                                                                                                         | 15 TOTAL HOURS | Graduates of this program may be able to transfer directly to a junior year Bachelor's degree in Nursing. Students should consult the catalog from the institution to which they are planning to transfer to carefully select courses that will meet requirements to complete their bachelor's degree. Any student interested in nursing can join the Student Nurses Association, both local and national.                                                                                                                                                                                                                                                                               |
| <b>ENGLISH COMPOSITION COURSES</b>                                                                                                                                                                                                                                         |                | ENGL 1113 English Composition I                                                                                                               | 3 hours        |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          |
| ENGL 1113 English Composition I                                                                                                                                                                                                                                            | 3 hours        | MATH 1513 College Algebra                                                                                                                     | 3 hours        | Career Opportunities                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     |
| ENGL 1213 English Composition II                                                                                                                                                                                                                                           | 3 hours        | ORNT 1101 Freshman Orientation                                                                                                                | 1 hour         |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          |
| <b>HISTORY AND GOVERNMENT COURSES</b>                                                                                                                                                                                                                                      |                | CHEM 1314 General Chemistry I                                                                                                                 | 4 hours        | • Nursing                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                |
| HIST 1483 American History to 1877 (OR) HIST 1493 American History Since 1877                                                                                                                                                                                              | 3 hours        | BISI 1114 General Biology (OR)                                                                                                                | 4 hours        |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          |
| POLI 1113 American Government                                                                                                                                                                                                                                              | 3 hours        | BISI 1124 Biology for Majors                                                                                                                  | 4 hours        | NOC evaluates students for placement into either foundational or college-level courses, whichever will lead to the greatest possibility of student success. Academic placement is determined either by A C T test scores or by Accuplacer test scores. These tests are administered in the Testing Center at NOC. Based upon the scores, students may be required to take one or more courses for remediation in English, Math, or Reading, either prior to or concurrent with credit courses. See the NOC testing web page by clicking on the following link: ACT   Northern Oklahoma College ( <a href="http://www.noc.edu/act">http://www.noc.edu/act</a> ) for placement guidelines. |
| <b>HUMANITIES COURSES</b>                                                                                                                                                                                                                                                  |                | <b>SECOND SEMESTER</b>                                                                                                                        | 16 TOTAL HOURS |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          |
| Electives                                                                                                                                                                                                                                                                  | 6 hours        | ENGL 1213 English Composition II                                                                                                              | 3 hours        |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          |
| One 3 hour course to be chosen from those listed with the International Dimension and 3 hours of humanities electives.                                                                                                                                                     |                | HIST 1483 American History to 1877 (OR) HIST 1493 American History Since 1877                                                                 | 3 hours        |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          |
| Recommended: PHIL 2213 Ethics                                                                                                                                                                                                                                              |                | BISI 2124 Microbiology                                                                                                                        | 4 hours        |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          |
| <b>MATHEMATICS COURSES</b>                                                                                                                                                                                                                                                 |                | PSYC 1113 General Psychology                                                                                                                  | 3 hours        |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          |
| MATH 1513 College Algebra                                                                                                                                                                                                                                                  | 3 hours        | MATH 2023 Elementary Statistics                                                                                                               | 3 hours        |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          |
| <b>SCIENCE COURSES</b>                                                                                                                                                                                                                                                     |                | <b>THIRD SEMESTER</b>                                                                                                                         | 16 TOTAL HOURS |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          |
| **BISI 2104 Human Anatomy                                                                                                                                                                                                                                                  | 4 hours        | POLI 1113 American Government                                                                                                                 | 3 hours        |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          |
| CHEM 1314 General Chemistry I                                                                                                                                                                                                                                              | 4 hours        | PHIL 2213 Ethics                                                                                                                              | 3 hours        |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          |
| <b>COMPUTER SCIENCE COURSES</b>                                                                                                                                                                                                                                            |                | BISI 2104 Human Anatomy                                                                                                                       | 4 hours        |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          |
| BSAD 1113 Digital/Financial Literacy (or other approved computer course)                                                                                                                                                                                                   | 3 hours        | PSYC 1113 General Psychology                                                                                                                  | 3 hours        |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          |
| <b>ORIENTATION COURSES</b>                                                                                                                                                                                                                                                 |                | BSAD 1113 Digital/Financial Literacy                                                                                                          | 3 hours        |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          |
| ORNT 1101 Freshman Orientation                                                                                                                                                                                                                                             | 1 hour         | <b>FOURTH SEMESTER</b>                                                                                                                        | 13 TOTAL HOURS |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          |
| <b>GENERAL EDUCATION ELECTIVE COURSES</b>                                                                                                                                                                                                                                  | 3 hours        | Humanities Elective                                                                                                                           | 3 hours        |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          |
| <b>PROGRAM REQUIREMENT COURSES</b>                                                                                                                                                                                                                                         | 14 TOTAL HOURS | HLST 1113 Medical Terminology                                                                                                                 | 3 hours        |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          |
| **BISI 2204 Human Physiology                                                                                                                                                                                                                                               | 4 hours        | BISI 2204 Human Physiology                                                                                                                    | 4 hours        |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          |
| BISI 2124 Microbiology                                                                                                                                                                                                                                                     | 4 hours        | NUTR 2123 Introduction to Human Nutrition                                                                                                     | 3 hours        |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          |
| PSYC 1113 General Psychology                                                                                                                                                                                                                                               | 3 hours        |                                                                                                                                               |                |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          |
| SOCI 1113 Principles of Sociology                                                                                                                                                                                                                                          | 3 hours        |                                                                                                                                               |                |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          |
| Substitutions may be made with prior approval.                                                                                                                                                                                                                             |                |                                                                                                                                               |                |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          |
| <b>RECOMMENDED PROGRAM ELECTIVE COURSES</b>                                                                                                                                                                                                                                | 9 TOTAL HOURS  |                                                                                                                                               |                |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          |
| NUTR 2123 Introduction to Human Nutrition                                                                                                                                                                                                                                  | 3 hours        |                                                                                                                                               |                |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          |
| MATH 2023 Elementary Statistics                                                                                                                                                                                                                                            | 3 hours        |                                                                                                                                               |                |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          |
| HLST 1113 Medical Terminology                                                                                                                                                                                                                                              | 3 hours        |                                                                                                                                               |                |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          |
| Consult transfer guidelines for specific institutions to identify other recommended electives.                                                                                                                                                                             |                |                                                                                                                                               |                |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          |
| <b>TOTAL CREDIT HOURS</b>                                                                                                                                                                                                                                                  | 60             | This is a suggested sequence timeline only. A student may require more than four semesters to complete an Associate in Science degree.        |                |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          |
| Note: Students are directed to use general education elective hours to meet a prerequisite for program classes with BISI 114 General Biology or BISI 1124 Biology for Majors. General Biology and/or Chemistry are prerequisites for some sophomore-level science courses. |                | **These program courses are typically offered only once a year. See course descriptions for fall or spring designations and plan accordingly. |                |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          |



**NORTHERN**  
Oklahoma College  
TONKAWA | ENID | STILLWATER

## **Associate in Applied Science Degrees**

(Individual degree sheets follow listing below)

- Applied Technology—Military Services Option
- Business Management
- Business Management, Accounting Option
- Business Management—Entrepreneurship Option
- Digital Media Animation and Design
- Engineering and Industrial Technology—Power Generation Option
- Engineering and Industrial Technology—Process Technology Option
- Nursing, Registered Nurse (RN)

### **Certificates**

(Individual degree sheet follows listing below)

- Practical Nurse Eligibility Certificate



**APPLIED TECHNOLOGY – MILITARY SERVICES OPTION**

(Note: Program requirements for this degree are offered on NOC Enid and NOC Tonkawa campus only.

At the beginning of each course listing, the four letter abbreviation indicates the department and the four digits indicate the course code used for enrollment. The total course hour value follows each.)

| PROGRAM REQUIREMENTS                                                                                        |  | Credit Hours   | <p><b>The purpose of the Associate in Applied Science in Applied Technology – Military Services Option is to provide an avenue through which members of the Armed Forces may apply experiential training earned while on active duty within one of the branches of the U.S. Military toward degree completion.</b></p> <p><b>Students will be requested to provide an official transcript from their respective branch of service.</b></p>                                                                                                                                                                                                                                                    |
|-------------------------------------------------------------------------------------------------------------|--|----------------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| GENERAL EDUCATION COURSES                                                                                   |  | 18 TOTAL HOURS |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               |
| ENGLISH COMPOSITION COURSES                                                                                 |  |                |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               |
| ENGL 1113 English Composition I                                                                             |  | 3 hours        |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               |
| ENGL 1213 English Composition II (OR)                                                                       |  |                |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               |
| ENGL 1223 Technical Writing                                                                                 |  | 3 hours        |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               |
| HISTORY AND GOVERNMENT COURSES                                                                              |  |                |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               |
| HIST 1483 American History to 1877<br>(OR) HIST 1493 American History<br>Since 1877                         |  | 3 hours        |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               |
| POLI 1113 American Government                                                                               |  | 3 hours        |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               |
| MATHEMATICS COURSES                                                                                         |  |                |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               |
| MATH 1493 Math Applications (OR)                                                                            |  |                |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               |
| MATH 1513 College Algebra                                                                                   |  | 3 hours        |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               |
| COMPUTER SCIENCE COURSES                                                                                    |  |                |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               |
| BSAD 1113 Digital/Financial Literacy<br>(or other approved computer course)                                 |  | 3 hours        |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               |
| GUIDED ELECTIVE COURSES                                                                                     |  | 12 TOTAL HOURS | <p>NOC evaluates students for placement into either foundational or college-level courses, whichever will lead to the greatest possibility of student success. Academic placement is determined either by A C T test scores or by Accuplacer test scores. These tests are administered in the Testing Center at NOC. Based upon the scores, students may be required to take one or more courses for remediation in English, Math, or Reading, either prior to or concurrent with credit courses. See the NOC testing web page by clicking on the following link: ACT   Northern Oklahoma College (<a href="http://www.noc.edu/act">http://www.noc.edu/act</a>) for placement guidelines.</p> |
| WORLD CULTURE COURSES (Choose one of the following)                                                         |  | 3 TOTAL HOURS  |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               |
| ART 1113 World Art                                                                                          |  | 3 hours        |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               |
| HUMN 1133 World Religions                                                                                   |  | 3 hours        |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               |
| HUMN 2113 Ancient Arts & Culture                                                                            |  | 3 hours        |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               |
| HUMN 2223 Modern Arts & Culture                                                                             |  | 3 hours        |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               |
| LIT 2113 World Literature to 1650                                                                           |  | 3 hours        |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               |
| LIT 2223 World Literature since 1650                                                                        |  | 3 hours        |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               |
| MUSC 1113 Appreciation of International Music                                                               |  | 3 hours        |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               |
| GLBL 2243 International Internship in World Cultures                                                        |  | 3 hours        |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               |
| Any course with GLBL (Global Studies) prefix                                                                |  | 3 hours        |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               |
| WORLD GEOGRAPHY COURSES (Choose one of the following)                                                       |  | 3 TOTAL HOURS  |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               |
| GEOG 2253 World Regional Geography                                                                          |  | 3 hours        |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               |
| HIST 1223 History of Modern World Civilization                                                              |  | 3 hours        |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               |
| HIST 1713 History of Eastern Civilization                                                                   |  | 3 hours        |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               |
| HIST 2113 History of Latin American Civilization                                                            |  | 3 hours        |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               |
| GLBL International Internship in World Geography                                                            |  | 3 hours        |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               |
| WORLD VALUE AND CHOICES COURSES (Choose one of the following)                                               |  | 3 TOTAL HOURS  |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               |
| PHIL 2213 Ethics                                                                                            |  | 3 hours        |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               |
| PHIL 2223 Business Ethics                                                                                   |  | 3 hours        |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               |
| PSYC 1113 General Psychology                                                                                |  | 3 hours        |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               |
| SOCI 1113 Principles of Sociology                                                                           |  | 3 hours        |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               |
| SOCI 2223 Social Problems                                                                                   |  | 3 hours        |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               |
| GLBL 2443 International Internship in World Values and Choices                                              |  | 3 hours        |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               |
| SELECT ONE ADDITIONAL COURSE FROM ANY OF THE GUIDED ELECTIVES ABOVE<br>*Substitutions allowed upon approval |  | 3 TOTAL HOURS  |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               |
| EXPERIENTIAL TECHNICAL TRAINING ACCEPTED FROM THE MILITARY                                                  |  | 30 TOTAL HOURS |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               |
| TOTAL CREDIT HOURS                                                                                          |  | 60             |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               |

**BUSINESS MANAGEMENT**

(Note: Program requirements for this degree are offered on NOC Enid and NOC Tonkawa campus only.

At the beginning of each course listing, the four letter abbreviation indicates the department and the four digits indicate the course code used for enrollment. The total course hour value follows each.)

| PROGRAM REQUIREMENTS                                                          |                | SUGGESTED COURSE SEQUENCE                                                                                                                      |                | The Associate in Applied Science degree program in Accounting-Business Management can be completed in conjunction with the Associate in Science degree in Business Administration, allowing a student to graduate from Northern holding two degrees.                                                                                                                                                                                                                                                                                                                                                                                                                                     |
|-------------------------------------------------------------------------------|----------------|------------------------------------------------------------------------------------------------------------------------------------------------|----------------|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
|                                                                               | Credit Hours   |                                                                                                                                                | Credit Hours   |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          |
| <b>GENERAL EDUCATION COURSES</b>                                              | 22 TOTAL HOURS | <b>FIRST SEMESTER</b>                                                                                                                          | 16 TOTAL HOURS | <b>Twelve credit hours in addition to the Associate in Science in Business Administration will complete the dual degree program.</b>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     |
| <b>ENGLISH COMPOSITION COURSES</b>                                            |                | ENGL 1113 English Composition I                                                                                                                | 3 hours        |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          |
| ENGL 1113 English Composition I                                               | 3 hours        | MATH 1483 Math Functions (OR)                                                                                                                  |                | <b>The Business Division and this degree program are accredited by the Accreditation Council of Business Schools and Programs (ACBSP). Outstanding Business students are invited to join Kappa Beta Delta, the business honor society recognized by ACBSP.</b>                                                                                                                                                                                                                                                                                                                                                                                                                           |
| ENGL 1213 English Composition II (OR) BSAD 2113 Business Communications       | 3 hours        | Higher level math                                                                                                                              | 3 hours        |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          |
| <b>HISTORY AND GOVERNMENT COURSES</b>                                         |                | ORNT 1101 Freshman Orientation                                                                                                                 | 1 hour         | <b>Career Opportunities</b>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              |
| HIST 1483 American History to 1877 (OR) HIST 1493 American History Since 1877 | 3 hours        | POLI 1113 American Government                                                                                                                  | 3 hours        |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          |
| POLI 1113 American Government                                                 | 3 hours        | BSAD 1103 Introduction to Business                                                                                                             | 3 hours        | <ul style="list-style-type: none"> <li>• Basic Entrepreneurial Activities</li> <li>• Bookkeeping/Accounting Clerk</li> <li>• Entry-Level Management</li> </ul>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           |
| <b>MATHEMATICS COURSES</b>                                                    |                | Computer Science Elective                                                                                                                      | 3 hours        |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          |
| MATH 1483 Math Functions (OR)                                                 |                | <b>SECOND SEMESTER</b>                                                                                                                         | 15 TOTAL HOURS | NOC evaluates students for placement into either foundational or college-level courses, whichever will lead to the greatest possibility of student success. Academic placement is determined either by A C T test scores or by Accuplacer test scores. These tests are administered in the Testing Center at NOC. Based upon the scores, students may be required to take one or more courses for remediation in English, Math, or Reading, either prior to or concurrent with credit courses. See the NOC testing web page by clicking on the following link: ACT   Northern Oklahoma College ( <a href="http://www.noc.edu/act">http://www.noc.edu/act</a> ) for placement guidelines. |
| Higher level math                                                             | 3 hours        | ENGL 1213 English Composition II (OR) BSAD 2113 Business Communications                                                                        | 3 hours        |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          |
| <b>COMPUTER SCIENCE COURSES</b>                                               |                | HIST 1483 American History to 1877 (OR) HIST 1493 American History Since 1877                                                                  | 3 hours        |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          |
| CS 1113 Computer Concepts (OR)                                                |                | ACCT 2103 Accounting I-Financial                                                                                                               | 3 hours        |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          |
| BSAD 1113 Digital/Financial Literacy (or other approved computer course)      | 3 hours        | ECON 2123 Microeconomic Principles                                                                                                             | 3 hours        |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          |
| <b>ORIENTATION COURSES</b>                                                    |                | Recommended Electives                                                                                                                          | 3 hours        |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          |
| ORNT 1101 Freshman Orientation                                                | 1 hour         | <b>THIRD SEMESTER</b>                                                                                                                          | 15 TOTAL HOURS |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          |
| <b>GENERAL EDUCATION ELECTIVE COURSES</b>                                     | 3 hours        | ACCT 2123 Computer Accounting I                                                                                                                | 3 hours        |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          |
| Recommended: PHIL 2223 Business Ethics                                        |                | BMGT 2263 Principles of Management                                                                                                             | 3 hours        |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          |
| <b>BUSINESS CORE REQUIREMENT COURSES</b>                                      | 18 TOTAL HOURS | CS 2123 Business Technology & Applications                                                                                                     | 3 hours        |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          |
| ACCT 2103 Accounting I-Financial                                              | 3 hours        | ECON 2113 Macroeconomic Principles                                                                                                             | 3 hours        |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          |
| **BMGT 2263 Principles of Management                                          | 3 hours        | PHIL 2223 Business Ethics                                                                                                                      | 3 hours        |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          |
| **BMGT 2233 Human Resource Management                                         | 3 hours        | <b>FOURTH SEMESTER</b>                                                                                                                         | 15 TOTAL HOURS |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          |
| BSAD 1103 Introduction to Business                                            | 3 hours        | ACCT 2203 Accounting II-Managerial                                                                                                             | 3 hours        |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          |
| CS 2123 Business Technology & Applications                                    | 3 hours        | BMGT 2143 Marketing                                                                                                                            | 3 hours        |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          |
| ECON 2123 Microeconomic Principles                                            | 3 hours        | BMGT 2233 Human Resource Management                                                                                                            | 3 hours        |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          |
| <b>PROGRAM REQUIREMENT COURSES</b>                                            | 12 TOTAL HOURS | Recommended Electives                                                                                                                          | 6 hours        |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          |
| **ACCT 2123 Computer Accounting I                                             | 3 hours        | This is a suggested sequence timeline only. A student may require more than four semesters to complete an Associate in Applied Science degree. |                |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          |
| ACCT 2203 Accounting II-Managerial                                            | 3 hours        |                                                                                                                                                |                |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          |
| **BMGT 2143 Marketing                                                         | 3 hours        |                                                                                                                                                |                |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          |
| ECON 2113 Macroeconomic Principles                                            | 3 hours        |                                                                                                                                                |                |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          |
| <b>RECOMMENDED PROGRAM ELECTIVE COURSES</b>                                   | 9 TOTAL HOURS  |                                                                                                                                                |                |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          |
| MATH 2023 Elementary Statistics                                               | 3 hours        |                                                                                                                                                |                |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          |
| BMGT 2240 Business Internship                                                 | 3 hours        |                                                                                                                                                |                |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          |
| PSYC 1113 Psychology (OR)                                                     |                |                                                                                                                                                |                |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          |
| SOCI 1113 Sociology                                                           | 3 hours        |                                                                                                                                                |                |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          |
| SPCH 1713 Introduction to Oral Communications                                 | 3 hours        |                                                                                                                                                |                |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          |
| <b>TOTAL CREDIT HOURS</b>                                                     | 61             |                                                                                                                                                |                |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          |

**BUSINESS MANAGEMENT – ACCOUNTING OPTION**

(Note: Program requirements for this degree are offered on NOC Enid and NOC Tonkawa campus only.

At the beginning of each course listing, the four letter abbreviation indicates the department and the four digits indicate the course code used for enrollment. The total course hour value follows each.)

| PROGRAM REQUIREMENTS                                                          |                       | SUGGESTED COURSE SEQUENCE                                                     |                       | The Associate in Applied Science degree program in Accounting-Business Management-Accounting Option can be completed in conjunction with the Associate in Science degree in Business Administration, allowing a student to graduate from Northern holding two degrees.                                                                                                                                                                                                                                                                                                                                                   |
|-------------------------------------------------------------------------------|-----------------------|-------------------------------------------------------------------------------|-----------------------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
|                                                                               | Credit Hours          |                                                                               | Credit Hours          |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          |
| <b>GENERAL EDUCATION COURSES</b>                                              | <b>22 TOTAL HOURS</b> | <b>FIRST SEMESTER</b>                                                         | <b>16 TOTAL HOURS</b> | <b>Twelve credit hours in addition to the Associate in Science in Business Administration will complete the dual degree program.</b>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     |
| ENGLISH COMPOSITION COURSES                                                   |                       | ENGL 1113 English Composition I                                               | 3 hours               |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          |
| ENGL 1113 English Composition I                                               | 3 hours               | MATH 1483 Math Functions (OR)                                                 |                       | <b>The Business Division and this degree program are accredited by the Accreditation Council of Business Schools and Programs (ACBSP). Outstanding Business students are invited to join Kappa Beta Delta, the business honor society recognized by ACBSP.</b>                                                                                                                                                                                                                                                                                                                                                           |
| ENGL 1213 English Composition II (OR) BSAD 2113 Business Communications       | 3 hours               | Higher level math                                                             | 3 hours               |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          |
| <b>HISTORY AND GOVERNMENT COURSES</b>                                         |                       | ORNT 1101 Freshman Orientation                                                | 1 hour                | <b>Career Opportunities</b>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              |
| HIST 1483 American History to 1877 (OR) HIST 1493 American History Since 1877 | 3 hours               | BSAD 1103 Introduction to Business                                            | 3 hours               |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          |
| POLI 1113 American Government                                                 | 3 hours               | ACCT 1203 Fundamentals of Accounting                                          | 3 hours               | <ul style="list-style-type: none"> <li>• Basic Entrepreneurial Activities</li> <li>• Bookkeeping/Accounting Clerk</li> <li>• Entry-Level Management</li> </ul>                                                                                                                                                                                                                                                                                                                                                                                                                                                           |
| <b>MATHEMATICS COURSES</b>                                                    |                       | Computer Science Elective                                                     | 3 hours               |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          |
| MATH 1483 Math Functions (OR)                                                 |                       | <b>SECOND SEMESTER</b>                                                        | <b>15 TOTAL HOURS</b> | NOC evaluates students for placement into either foundational or college-level courses, whichever will lead to the greatest possibility of student success. Academic placement is determined either by A C T test scores or by Accuplacer test scores. These tests are administered in the Testing Center at NOC. Based upon the scores, students may be required to take one or more courses for remediation in English, Math, or Reading, either prior to or concurrent with credit courses. See the NOC testing web page by clicking on the following link: ACT   Northern Oklahoma College for placement guidelines. |
| Higher level math                                                             | 3 hours               | ENGL 1213 English Composition II (OR) BSAD 2113 Business Communications       | 3 hours               |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          |
| <b>COMPUTER SCIENCE COURSES</b>                                               |                       | HIST 1483 American History to 1877 (OR) HIST 1493 American History Since 1877 | 3 hours               |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          |
| CS 1113 Computer Concepts (OR)                                                |                       | POLI 1113 American Government                                                 | 3 hours               |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          |
| BSAD 1113 Digital/Financial Literacy (or other approved computer course)      | 3 hours               | ACCT 2103 Accounting I-Financial                                              | 3 hours               |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          |
| <b>ORIENTATION COURSES</b>                                                    |                       | CS 2123 Business Technology & Applications                                    | 3 hours               |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          |
| ORNT 1101 Freshman Orientation                                                | 1 hour                | <b>THIRD SEMESTER</b>                                                         | <b>15 TOTAL HOURS</b> |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          |
| <b>GENERAL EDUCATION ELECTIVE COURSES</b>                                     | <b>3 hours</b>        | ACCT 2123 Computer Accounting I                                               | 3 hours               |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          |
| Recommended: PHIL 2223 Business Ethics                                        |                       | ACCT 2203 Accounting II-Managerial                                            | 3 hours               |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          |
| <b>BUSINESS CORE REQUIREMENT COURSES</b>                                      | <b>18 TOTAL HOURS</b> | BMGT 2263 Principles of Management                                            | 3 hours               |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          |
| ACCT 2103 Accounting I-Financial                                              | 3 hours               | CS 2123 Business Technology & Applications                                    | 3 hours               |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          |
| **BMGT 2263 Principles of Management                                          | 3 hours               | PHIL 2223 Business Ethics                                                     | 3 hours               |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          |
| **BMGT 2233 Human Resource Management                                         | 3 hours               | Recommended Electives                                                         | 3 hours               |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          |
| BSAD 1103 Introduction to Business                                            | 3 hours               | <b>FOURTH SEMESTER</b>                                                        | <b>15 TOTAL HOURS</b> |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          |
| CS 2123 Business Technology & Applications                                    | 3 hours               | BMGT 2240 Business/Accounting Internship                                      | 3 hours               |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          |
| ECON 2123 Microeconomic Principles                                            | 3 hours               | BMGT 2233 Human Resource Management                                           | 3 hours               |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          |
| <b>PROGRAM REQUIREMENT COURSES</b>                                            | <b>15 TOTAL HOURS</b> | MATH 2023 Elementary Statistics                                               | 3 hours               |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          |
| **ACCT 1203 Fundamentals of Accounting                                        | 3 hours               | Recommended Electives                                                         | 6 hours               |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          |
| **ACCT 2123 Computer Accounting I                                             | 3 hours               |                                                                               |                       |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          |
| ACCT 2203 Accounting II-Managerial                                            | 3 hours               |                                                                               |                       |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          |
| BMGT 2240 Business/Accounting Internship                                      | 3 hours               |                                                                               |                       |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          |
| MATH 2023 Elementary Statistics                                               | 3 hours               |                                                                               |                       |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          |
| <b>RECOMMENDED PROGRAM ELECTIVE COURSES</b>                                   | <b>6 TOTAL HOURS</b>  |                                                                               |                       |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          |
| **BMGT 2143 Marketing                                                         | 3 hours               |                                                                               |                       |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          |
| ECON 2113 Macroeconomic Principles                                            | 3 hours               |                                                                               |                       |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          |
| PSYC 1113 Psychology (OR)                                                     |                       |                                                                               |                       |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          |
| SOCI 1113 Sociology                                                           | 3 hours               |                                                                               |                       |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          |
| SPCH 1713 Introduction to Oral Communications                                 | 3 hours               |                                                                               |                       |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          |
| <b>TOTAL CREDIT HOURS</b>                                                     | <b>61</b>             |                                                                               |                       |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          |

This is a suggested sequence timeline only. A student may require more than four semesters to complete an Associate in Applied Science degree.

\*\*These program courses are typically offered only once a year. See course descriptions for fall or spring designations and plan accordingly.

**BUSINESS MANAGEMENT – ENTREPRENEURSHIP OPTION**

(Note: Program requirements for this degree are offered on NOC Enid and NOC Tonkawa campus only.

At the beginning of each course listing, the four letter abbreviation indicates the department and the four digits indicate the course code used for enrollment. The total course hour value follows each.)

| PROGRAM REQUIREMENTS                                                          |                | SUGGESTED COURSE SEQUENCE                                                          |                | The Business Management-Entrepreneurship Option prepares the graduate with skills to create innovative ventures, recognize opportunities, evaluate alternative courses of action, and formulate a plan to successfully achieve organizational objectives.                                                                                                                                                                                                                                                                                                                                                                                                                                |
|-------------------------------------------------------------------------------|----------------|------------------------------------------------------------------------------------|----------------|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
|                                                                               | Credit Hours   | (If Option 2 is selected for the "Technical Occupational Specialty or Coursework") | Credit Hours   |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          |
| <b>GENERAL EDUCATION COURSES</b>                                              | 22 TOTAL HOURS | <b>FIRST SEMESTER</b>                                                              | 16 TOTAL HOURS | Entrepreneurial skills can be utilized in business development and within existing organizations to effect changes necessary to the success and survival of the organization.                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            |
| ENGLISH COMPOSITION COURSES                                                   |                | ENGL 1113 English Composition I                                                    | 3 hours        |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          |
| ENGL 1113 English Composition I                                               | 3 hours        | MATH 1483 Math Functions (OR)                                                      |                | The technical occupational specialty areas equip students with current technological skills in their respective field, while the business core requirements provide the essential foundation in entrepreneurial skills, general business accounting and management.                                                                                                                                                                                                                                                                                                                                                                                                                      |
| ENGL 1213 English Composition II (OR)                                         |                | Higher level math                                                                  | 3 hours        |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          |
| BSAD 2113 Business Communications                                             | 3 hours        | ORNT 1101 Freshman Orientation                                                     | 1 hour         | This degree is a program whereby students take their general education courses and business courses from Northern Oklahoma College and may use their technical occupational specialty coursework at an area technology center or from prior learning assessment to satisfy elective credits                                                                                                                                                                                                                                                                                                                                                                                              |
| <b>HISTORY AND GOVERNMENT COURSES</b>                                         |                | HIST 1483 American History to 1877 (OR) HIST 1493 American History Since 1877      | 3 hours        |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          |
| HIST 1483 American History to 1877 (OR) HIST 1493 American History Since 1877 | 3 hours        | BSAD 1203 Introduction to Entrepreneurship                                         | 3 hours        | The Business Division and this degree program are accredited by the Accreditation Council of Business Schools and Programs (ACBSP). Outstanding Business students are invited to join Kappa Beta Delta, the business honor society recognized by ACBSP.                                                                                                                                                                                                                                                                                                                                                                                                                                  |
| POLI 1113 American Government                                                 | 3 hours        | Computer Science Elective                                                          | 3 hours        |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          |
| <b>MATHEMATICS COURSES</b>                                                    |                | <b>SECOND SEMESTER</b>                                                             | 15 TOTAL HOURS | Career Opportunities                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     |
| MATH 1483 Math Functions (OR)                                                 |                | ENGL 1213 English Composition II (OR) BSAD 2113 Business Communications            | 3 hours        |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          |
| Higher level math                                                             | 3 hours        | ACCT 2103 Accounting I-Financial                                                   | 3 hours        | • <b>Basic Entrepreneurial Activities</b>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                |
| <b>COMPUTER SCIENCE COURSES</b>                                               |                | CS 2123 Business Technology & Applications                                         | 3 hours        |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          |
| CS 1113 Computer Concepts (OR)                                                |                | Technical Specialty/Coursework                                                     |                | • <b>Entry-Level Management</b>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          |
| BSAD 1113 Digital/Financial Literacy (or other approved computer course)      | 3 hours        | Electives (2 courses)                                                              | 6 hours        |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          |
| <b>ORIENTATION COURSES</b>                                                    |                | <b>THIRD SEMESTER</b>                                                              | 15 TOTAL HOURS | NOC evaluates students for placement into either foundational or college-level courses, whichever will lead to the greatest possibility of student success. Academic placement is determined either by A C T test scores or by Accuplacer test scores. These tests are administered in the Testing Center at NOC. Based upon the scores, students may be required to take one or more courses for remediation in English, Math, or Reading, either prior to or concurrent with credit courses. See the NOC testing web page by clicking on the following link: ACT   Northern Oklahoma College ( <a href="http://www.noc.edu/act">http://www.noc.edu/act</a> ) for placement guidelines. |
| ORNT 1101 Freshman Orientation                                                | 1 hour         | ACCT 2123 Computer Accounting I                                                    | 3 hours        |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          |
| <b>GENERAL EDUCATION ELECTIVE COURSES</b>                                     |                | BMGT 2263 Principles of Management                                                 | 3 hours        | This is a suggested sequence timeline only. A student may require more than four semesters to complete an Associate in Applied Science degree.                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           |
| Recommended: PHIL 2223 Business Ethics                                        |                | GLBL 2133 Introduction to International Business Cultures                          | 3 hours        |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          |
| <b>BUSINESS CORE REQUIREMENT COURSES</b>                                      | 18 TOTAL HOURS | POLI 1113 American Government                                                      | 3 hours        | **These program courses are typically offered only once a year. See course descriptions for fall or spring designations and plan accordingly.                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            |
| ACCT 2103 Accounting I-Financial                                              | 3 hours        | Technical Specialty/Coursework                                                     |                |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          |
| **BMGT 2263 Principles of Management                                          | 3 hours        | Electives                                                                          | 3 hours        |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          |
| **BMGT 2233 Human Resource Management                                         | 3 hours        | <b>FOURTH SEMESTER</b>                                                             | 15 TOTAL HOURS |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          |
| **BSAD 1203 Introduction to Entrepreneurship                                  | 3 hours        | ACCT 2203 Accounting II-Managerial                                                 | 3 hours        |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          |
| CS 2123 Business Technology & Applications                                    | 3 hours        | BMGT 2143 Marketing                                                                | 3 hours        |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          |
| ECON 2123 Microeconomic Principles (OR)                                       |                | BMGT 2233 Human Resource Management                                                | 3 hours        |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          |
| ECON 2113 Macroeconomic Principles                                            | 3 hours        | ECON 2123 Microeconomic Principles                                                 |                |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          |
| <b>PROGRAM REQUIREMENT COURSES</b>                                            | 9 TOTAL HOURS  | (OR) ECON 2113 Macroeconomic Principles                                            | 3 hours        |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          |
| **ACCT 2123 Computer Accounting I                                             | 3 hours        | PHIL 2223 Business Ethics                                                          | 3 hours        |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          |
| ACCT 2203 Accounting II-Managerial                                            | 3 hours        |                                                                                    |                |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          |
| **BMGT 2143 Marketing                                                         | 3 hours        |                                                                                    |                |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          |
| <b>TECHNICAL OCCUPATIONAL SPECIALTY OR COURSES</b>                            | 12 TOTAL HOURS |                                                                                    |                |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          |
| Option 1: Credit for Prior Learning Assessment OR                             |                |                                                                                    |                |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          |
| Option 2: Coursework-12 credit hours selected from the following:             |                |                                                                                    |                |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          |
| BMGT 2240 Business Internship                                                 | 3 hours        |                                                                                    |                |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          |
| BMGT 1103 Introduction to Business                                            | 3 hours        |                                                                                    |                |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          |
| ECON 2123 Microeconomic Principles (OR)                                       |                |                                                                                    |                |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          |
| ECON 2113 Macroeconomic Principles                                            | 3 hours        |                                                                                    |                |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          |
| GLBL 2133 Introduction to International Business Cultures                     | 3 hours        |                                                                                    |                |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          |
| MATH 2023 Elementary Statistics                                               | 3 hours        |                                                                                    |                |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          |
| PSYC 1113 Psychology (OR)                                                     |                |                                                                                    |                |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          |
| SOCI 1113 Sociology                                                           | 3 hours        |                                                                                    |                |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          |
| SPCH 1713 Introduction to Oral Communications                                 | 3 hours        |                                                                                    |                |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          |
| <b>TOTAL CREDIT HOURS</b>                                                     | 61             |                                                                                    |                |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          |



**DIGITAL MEDIA ANIMATION AND DESIGN**

(Note: Program requirements for this degree are offered on NOC Tonkawa campus only.

At the beginning of each course listing, the four letter abbreviation indicates the department and the four digits indicate the course code used for enrollment. The total course hour value follows each.)

| PROGRAM REQUIREMENTS                                                                                                                     |                | SUGGESTED COURSE SEQUENCE                                                                                                                      |                | The Digital Media Animation and Design program is designed to provide new opportunities for creative artists in the growing field of digital media. This direct-to-workforce program will prepare individuals with the knowledge and skills necessary to communicate their ideas through the area of advanced computer graphics.                                                                                                                                                                                                                                                                                                                                                        |
|------------------------------------------------------------------------------------------------------------------------------------------|----------------|------------------------------------------------------------------------------------------------------------------------------------------------|----------------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
|                                                                                                                                          | Credit Hours   |                                                                                                                                                | Credit Hours   |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         |
| <b>GENERAL EDUCATION COURSES</b>                                                                                                         | 25 TOTAL HOURS | <b>FIRST SEMESTER</b>                                                                                                                          | 16 TOTAL HOURS | <b>Career Opportunities</b>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             |
| <b>ENGLISH COMPOSITION COURSES</b>                                                                                                       |                | ENGL 1113 English Composition I                                                                                                                | 3 hours        |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         |
| ENGL 1113 English Composition I                                                                                                          | 3 hours        | MATH 1493 Math Applications                                                                                                                    |                | • <b>Graphic Designer/Web</b>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           |
| ENGL 1213 English Composition II                                                                                                         | 3 hours        | (OR) MATH 1513 College Algebra                                                                                                                 | 3 hours        | • <b>Designer</b>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       |
| <b>HISTORY AND GOVERNMENT COURSES</b>                                                                                                    |                | ORNT 1101 Freshman Orientation                                                                                                                 | 1 hour         | • <b>Motion Graphics Animator</b>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       |
| HIST 1483 American History to 1877                                                                                                       |                | BSAD 1113 Digital/Financial Literacy                                                                                                           | 3 hours        | • <b>3D Modeler/Animator</b>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            |
| (OR) HIST 1493 American History Since 1877                                                                                               | 3 hours        | DMAD 1213 Graphic Design                                                                                                                       | 3 hours        | • <b>Texture Artist</b>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 |
| POLI 1113 American Government                                                                                                            | 3 hours        | DMAD 1113 Introduction to Digital Video – 2D Animation                                                                                         | 3 hours        | • <b>Game Asset/Level Designer</b>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      |
| <b>HUMANITIES COURSES</b>                                                                                                                |                | <b>SECOND SEMESTER</b>                                                                                                                         | 15 TOTAL HOURS | • <b>Post-Production Specialist</b>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     |
| Elective to be chosen from the list below:                                                                                               | 3 hours        | ENGL 1213 English Composition II                                                                                                               | 3 hours        | • <b>Visual Effects Artist</b>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          |
| PHIL 2213 Ethics, PHIL 2223 Business Ethics, ART 1113 Art Appreciation, ART 1203 Art History Survey I, OR ART 1303 Art History Survey II |                | POLI 1113 American Government                                                                                                                  | 3 hours        | • <b>Editor-Movies</b>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  |
| <b>MATHEMATICS COURSES</b>                                                                                                               |                | PHIL 2213 Ethics                                                                                                                               |                | • <b>Commercials/Broadcast</b>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          |
| MATH 1493 Math Applications (OR)                                                                                                         |                | (OR other approved humanities)                                                                                                                 | 3 hours        |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         |
| MATH 1513 College Algebra                                                                                                                | 3 hours        | DMAD 1133 Introduction to 3D Animation                                                                                                         | 3 hours        |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         |
| <b>SPEECH COURSES</b>                                                                                                                    |                | DMAD 1233 Digital Filmmaking                                                                                                                   | 3 hours        |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         |
| SPCH 1713 Introduction to Oral Communication                                                                                             | 3 hours        | <b>THIRD SEMESTER</b>                                                                                                                          | 15 TOTAL HOURS |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         |
| <b>ORIENTATION COURSES</b>                                                                                                               |                | HIST 1483 American History to 1877                                                                                                             |                |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         |
| ORNT 1101 Freshman Orientation                                                                                                           | 1 hour         | (OR) HIST 1493 American History Since 1877                                                                                                     | 3 hours        |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         |
| <b>TECHNICAL CORE COURSES</b>                                                                                                            | 12 TOTAL HOURS | DMAD 2313 Motion Graphics I                                                                                                                    | 4 hours        |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         |
| DMAD 1113 Introduction to Digital Video – 2D Animation                                                                                   | 3 hours        | DMAD 2323 3D Animation II                                                                                                                      | 3 hours        |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         |
| DMAD 1133 Introduction to 3D Animation                                                                                                   | 3 hours        | DMAD 2343 Texturing                                                                                                                            | 3 hours        |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         |
| DMAD 1213 Graphic Design                                                                                                                 | 3 hours        | DMAD 2373 Motion Graphic II                                                                                                                    | 3 hours        |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         |
| DMAD 1233 Digital Filmmaking                                                                                                             | 3 hours        | <b>FOURTH SEMESTER</b>                                                                                                                         | 14 TOTAL HOURS |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         |
| <b>TECHNICAL SUPPORT COURSES</b>                                                                                                         | 23 TOTAL HOURS | SPCH 1713 Introduction to Oral Communication                                                                                                   | 3 hours        |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         |
| DMAD 2313 Motion Graphics I                                                                                                              | 3 hours        | DMAD 2333 3D Animation III                                                                                                                     | 4 hours        |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         |
| DMAD 2323 3D Animation II                                                                                                                | 3 hours        | DMAD 2353 Digital Video II                                                                                                                     | 3 hours        |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         |
| DMAD 2333 3D Animation III                                                                                                               | 3 hours        | DMAD 2382 Multimedia Project                                                                                                                   | 2 hours        |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         |
| DMAD 2343 Texturing                                                                                                                      | 3 hours        | DMAD 2393 Emerging New Media                                                                                                                   | 3 hours        |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         |
| DMAD 2353 Digital Video II                                                                                                               | 3 hours        |                                                                                                                                                |                |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         |
| DMAD 2373 Motion Graphic II                                                                                                              | 3 hours        |                                                                                                                                                |                |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         |
| DMAD 2382 Multimedia Project                                                                                                             | 2 hours        |                                                                                                                                                |                |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         |
| DMAD 2393 Emerging New Media                                                                                                             | 3 hours        |                                                                                                                                                |                |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         |
| <b>TOTAL CREDIT HOURS</b>                                                                                                                | <b>60</b>      | This is a suggested sequence timeline only. A student may require more than four semesters to complete an Associate in Applied Science degree. |                | NOC evaluates students for placement into either foundational or college-level courses, whichever will lead to the greatest possibility of student success. Academic placement is determined either by A C T test scores or by Accuplacer test scores. These tests are administered in the Testing Center at NOC. Based upon the scores, students may be required to take one or more courses for remediation in English, Math, or Reading, either prior to or concurrent with credit courses. See the NOC testing web page by clicking on the following link: ACT   Northern Oklahoma College for placement guidelines.<br><a href="http://www.noc.edu/act">http://www.noc.edu/act</a> |

**ENGINEERING AND INDUSTRIAL TECHNOLOGY – POWER GENERATION OPTION**

(Note: Program requirements for this degree are offered on NOC Tonkawa campus only.

At the beginning of each course listing, the four letter abbreviation indicates the department and the four digits indicate the course code used for enrollment. The total course hour value follows each.)

| PROGRAM REQUIREMENTS                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  |  | Credit Hours   |
|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|--|----------------|
| GENERAL EDUCATION COURSES                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             |  | 37 TOTAL HOURS |
| ENGLISH COMPOSITION COURSES                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           |  |                |
| ENGL 1113 English Composition I                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       |  | 3 hours        |
| ENGL 1213 English Composition II (OR)                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 |  |                |
| ENGL 1223 Technical Writing (OR)                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      |  |                |
| SPCH 1713 Introduction to Oral Communications                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         |  | 3 hours        |
| HISTORY AND GOVERNMENT COURSES                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        |  |                |
| HIST 1483 American History to 1877                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    |  |                |
| (OR) HIST 1493 American History Since 1877                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            |  | 3 hours        |
| POLI 1113 American Government                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         |  | 3 hours        |
| MATHEMATICS COURSES                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   |  |                |
| MATH 1493 Math Applications (OR)                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      |  |                |
| MATH 1513 College Algebra                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             |  | 3 hours        |
| COMPUTER SCIENCE COURSES                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              |  |                |
| BSAD 1113 Digital/Financial Literacy (or other approved computer course)                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              |  | 3 hours        |
| TECHNICAL OCCUPATIONAL SPECIALTY                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      |  | 42 TOTAL HOURS |
| Students will be awarded 42 credit hours of extra-institutional credit for certified coursework and job performance demonstration at the OGE Energy Corporation in the areas of Plant Operations, Instrumentation, and Control, Plant Electricians, and Plant Mechanics at the following levels:                                                                                                                                                                                                                                                                                                                                      |  |                |
| Apprenticeship Level C-1, C-2, and C-3:<br>Safety-PPE and First-aid; Fall Suppression, Worker Right to Know/HAZCOM, Envirochemical, Confined space, Basic Shop Equipment, Prints & Drawings, Clearance Procedures, fuel Systems, SAP Notifications & Confirmation Notes, ash Removal systems, Circulating Water Systems, Steam Cycle, Compressed Air Systems, Turbine Auxiliaries, Generator, Plant Electrical Systems, Water Treatment, Plant Instrumentation, Fire Protection Systems, Hand Signals, Electrical Circuit Basics.                                                                                                     |  |                |
| Apprenticeship Level B-1 and B-2:<br>Coal System, Pulverizes and Feeders, Ash Systems, Closed Cooling Water System, Stator Cooling Water system, MCC Breaker System, Motor Megger, Pump/Motor Rigging & Removal, Small Motor (25 HP or less) Overhaul, Tubing and Fittings, Metal Work and Welding, Main Turbine, Generator and Turbine Lube Oil Systems, Hydrogen Seal Oil system, Pump seal Inspection, Heat Exchanger Inspection and Repair, Calibrate Gauge, Test & Repair Pressure Switches.                                                                                                                                     |  |                |
| Apprenticeship Level A-1 and A-2:<br>Control Loops, Piping, Condensate system, Feedwater System, Steam System, Closed Cooling Water System, Fuel System-Gas/Oil, Fuel system-Coal, Plant/Service Air System, Instrument/Control Air Systems, Emergency Generator, Waste Water Treatment System, Circulating Water System, Calibrate a Transmitter, Freeze Protection System, Centrifugal Pump, Test & Calibrate Positioners & Actuators, Lube Oil Systems, Generator/Electrical System, Test & Repair Pneumatic & Electronic Solenoid, Small Valve Refurbishment, Troubleshoot and Repair a Piston Actuator, Pump Bearing Inspection. |  |                |
| Students are required to pass the OGE certification examination for each of the above levels and complete 12 credit hours at Northern before credit can be transcribed.                                                                                                                                                                                                                                                                                                                                                                                                                                                               |  |                |
| TOTAL CREDIT HOURS                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    |  | 60             |

The associate in Applied Science degree program is designed to provide the employees of the OGE Energy Corporation of Oklahoma an opportunity to complete an associate degree specifically designed to prepare them with the knowledge, technical skills, and job-related experiences necessary to make a significant contribution to their corporation. The specific areas of operations, instrumentation and control, electrical, and mechanics form the basis of the degree program. Additional focus of this program is the perpetuation of a quality workforce, a higher quality of life for our citizenry and state-wide economic development.

**Career Opportunities**

- Instrument and Control
- Operator
- Plant Mechanic

NOC evaluates students for placement into either foundational or college-level courses, whichever will lead to the greatest possibility of student success. Academic placement is determined either by A C T test scores or by Accuplacer test scores. These tests are administered in the Testing Center at NOC. Based upon the scores, students may be required to take one or more courses for remediation in English, Math, or Reading, either prior to or concurrent with credit courses. See the NOC testing web page by clicking on the following link: ACT | Northern Oklahoma College (<http://www.noc.edu/act>) for placement guidelines.



**ENGINEERING AND INDUSTRIAL TECHNOLOGY – PROCESS TECHNOLOGY OPTION**

(Note: Program requirements for this degree are offered on NOC Tonkawa campus only.

At the beginning of each course listing, the four letter abbreviation indicates the department and the four digits indicate the course code used for enrollment. The total course hour value follows each.)

| PROGRAM REQUIREMENTS                                                                                                   |                       | SUGGESTED COURSE SEQUENCE                                                                                                                      |                       | The Associate of Applied Science Degree program in Process Technology is developed in partnership with the Conoco/Phillips, British Petroleum, Sunoco, Valero, Sinclair, and other petrochemical corporations. It is designed to provide the student with entry level training to become a Process Technician in the petrochemical industry.                                                                                                                                                                                                                                                                                                                                             |
|------------------------------------------------------------------------------------------------------------------------|-----------------------|------------------------------------------------------------------------------------------------------------------------------------------------|-----------------------|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
|                                                                                                                        | Credit Hours          |                                                                                                                                                | Credit Hours          |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          |
| <b>GENERAL EDUCATION COURSES</b>                                                                                       | <b>27 TOTAL HOURS</b> | <b>FIRST SEMESTER</b>                                                                                                                          | <b>14 TOTAL HOURS</b> | <b>Current partners include:</b>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         |
| ENGLISH COMPOSITION COURSES                                                                                            |                       | ENGL 1113 English Composition I                                                                                                                | 3 hours               |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          |
| ENGL 1113 English Composition I                                                                                        | 3 hours               | MATH 1113 Technical Math (OR)                                                                                                                  |                       | <b>Phillips 66 Refining, Pipeline, &amp; R&amp;D</b>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     |
| SPCH 1713 Introduction to Oral Communication                                                                           | 3 hours               | MATH 1513 College Algebra                                                                                                                      | 3 hours               |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          |
| <b>HISTORY AND GOVERNMENT COURSES</b>                                                                                  |                       | ORNT 1101 Freshman Orientation                                                                                                                 | 1 hour                | <b>Koch Industries</b>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   |
| HIST 1483 American History to 1877                                                                                     |                       | **PTEC 1113 Introduction to Process Technology                                                                                                 | 3 hours               |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          |
| (OR) HIST 1493 American History Since 1877                                                                             | 3 hours               | **PTEC 2024 Industrial Instrumentation                                                                                                         | 4 hours               | <b>OG&amp;E</b>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          |
| POLI 1113 American Government                                                                                          | 3 hours               |                                                                                                                                                |                       |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          |
| <b>HUMANITIES COURSES</b>                                                                                              |                       | <b>SECOND SEMESTER</b>                                                                                                                         | <b>17 TOTAL HOURS</b> | <b>Tessenderlo Kerley Industries</b>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     |
| Electives                                                                                                              | 6 hours               | BSAD 1113 Digital/Financial Literacy                                                                                                           | 3 hours               |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          |
| One 3 hour course to be chosen from those listed with the International Dimension and 3 hours of humanities electives. |                       | HIST 1483 American History to 1877                                                                                                             |                       | <b>Oklahoma Municipal Power Authority</b>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                |
| <b>MATHEMATICS COURSES</b>                                                                                             |                       | (OR) HIST 1493 American History Since 1877                                                                                                     | 3 hours               |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          |
| MATH 1113 Technical Math (OR)                                                                                          |                       | PHYS 2104 Concepts in Physics                                                                                                                  | 3 hours               | <b>NRCA Refining</b>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     |
| MATH 1513 College Algebra                                                                                              | 3 hours               | PTEC 2014 Process Tech I-Equipment                                                                                                             | 4 hours               |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          |
| <b>SCIENCE COURSES</b>                                                                                                 |                       | PTEC 1313 Safety, Health, & Work Practices                                                                                                     | 3 hours               | <b>Career Opportunities</b>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              |
| CHEM 1014 Concepts in Chemistry                                                                                        | 4 hours               |                                                                                                                                                |                       |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          |
| PHYS 2104 Concepts in Physics                                                                                          | 4 hours               | <b>THIRD SEMESTER</b>                                                                                                                          | <b>18 TOTAL HOURS</b> | <ul style="list-style-type: none"> <li>• Industry</li> <li>• Petrochemical Process Technician</li> <li>• Process Technician</li> <li>• Refinery</li> </ul>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               |
| <b>ORIENTATION COURSES</b>                                                                                             |                       | POLI 1113 American Government                                                                                                                  | 3 hours               |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          |
| ORNT 1101 Freshman Orientation                                                                                         | 1 hour                | SPCH 1713 Introduction to Oral Communication                                                                                                   | 3 hours               | NOC evaluates students for placement into either foundational or college-level courses, whichever will lead to the greatest possibility of student success. Academic placement is determined either by A C T test scores or by Accuplacer test scores. These tests are administered in the Testing Center at NOC. Based upon the scores, students may be required to take one or more courses for remediation in English, Math, or Reading, either prior to or concurrent with credit courses. See the NOC testing web page by clicking on the following link: ACT   Northern Oklahoma College ( <a href="http://www.noc.edu/act">http://www.noc.edu/act</a> ) for placement guidelines. |
| <b>GENERAL EDUCATION ELECTIVE COURSES</b>                                                                              |                       | CHEM 1014 Concepts in Chemistry                                                                                                                | 4 hours               |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          |
| BSAD 1103 Introduction to Business (OR)                                                                                |                       | PTEC 2124 Process Tech II- Systems                                                                                                             | 4 hours               |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          |
| ECON 2123 Microeconomics Principles                                                                                    | 3 hours               | PTEC 2243 Principles of Quality                                                                                                                | 3 hours               |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          |
| <b>PROGRAM REQUIREMENT COURSES</b>                                                                                     | <b>37 TOTAL HOURS</b> | PRDV 2321 Professional Development                                                                                                             | 1 hour                |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          |
| BSAD 1113 Digital/Financial Literacy (or other approved computer course)                                               | 3 hours               | <b>FOURTH SEMESTER</b>                                                                                                                         | <b>18 TOTAL HOURS</b> |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          |
| **CHEM 2014 Process Organic Chemistry                                                                                  | 4 hours               | CHEM 2014 Process Organic Chemistry                                                                                                            | 4 hours               |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          |
| **PTEC 1113 Introduction to Process Technology                                                                         | 3 hours               | BSAD 1103 Introduction to Business (OR) ECON 2123 Microeconomics Principles                                                                    | 3 hours               |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          |
| **PTEC 1313 Safety, Health, & Work Practices                                                                           | 3 hours               | PTEC 2214 Process Tech III- Operations                                                                                                         | 4 hours               |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          |
| **PTEC 2014 Process Technology I-Equipment                                                                             | 4 hours               | PTEC 1124 Process Troubleshooting                                                                                                              | 4 hours               |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          |
| **PTEC 2024 Industrial Instrumentation                                                                                 | 4 hours               | PTEC 2301 Industrial Observation                                                                                                               | 1 hour                |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          |
| **PTEC 2124 Process Technology II-Systems                                                                              | 4 hours               |                                                                                                                                                |                       |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          |
| **PTEC 2214 Process Technology III-Operations                                                                          | 4 hours               |                                                                                                                                                |                       |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          |
| **PTEC 1124 Process Troubleshooting                                                                                    | 4 hours               |                                                                                                                                                |                       |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          |
| **PTEC 2243 Principles of Quality                                                                                      | 3 hours               |                                                                                                                                                |                       |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          |
| **PRDV 2321 Professional Development                                                                                   | 1 hour                |                                                                                                                                                |                       |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          |
| <b>RECOMMENDED PROGRAM ELECTIVE COURSES</b>                                                                            | <b>4 TOTAL HOURS</b>  |                                                                                                                                                |                       |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          |
| ENGL 1223 Technical Writing                                                                                            | 3 hours               |                                                                                                                                                |                       |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          |
| PTEC 2301 Industrial Observation                                                                                       | 1 hour                |                                                                                                                                                |                       |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          |
| <b>TOTAL CREDIT HOURS</b>                                                                                              | <b>64</b>             | This is a suggested sequence timeline only. A student may require more than four semesters to complete an Associate in Applied Science degree. |                       |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          |
|                                                                                                                        |                       | **These program courses are typically offered only once a year. See course descriptions for fall or spring designations and plan accordingly.  |                       |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          |

**NURSING – REGISTERED NURSE (RN)**

(Note: Program requirements for this degree are offered on NOC Enid, NOC Fountain Square-Stillwater, and NOC Tonkawa campuses. At the beginning of each course listing, the four letter abbreviation indicates the department and the four digits indicate the course code used for enrollment. The total course hour value follows each.)

| PROGRAM REQUIREMENTS                                                                                                                                                                                                                                                                                                                         |                |                                                                               | SUGGESTED COURSE SEQUENCE                                                                                                                                  |              |  | Nursing is offered on all three NOC campuses: Tonkawa, Enid, and Stillwater. Any student interested in nursing can join the Student Nurses Association, both local and national. The nursing program is accredited by the Accreditation Commission for Education in Nursing (ACEN) and approved by the Oklahoma Board of Nursing Students who desire to become candidates for the Associate degree in Nursing are required to make a formal application to the Division of Nursing for admission. This application must be submitted to the Division of Nursing on or before March 1. Formal approval by the Nursing Division is required before being admitted into actual nursing courses. GPA is heavily weighted since acceptance is highly competitive. Tuition for the Nursing program is the same as for all other students at Northern. A Nursing Skills lab fee is charged each semester. Upon completion of this degree a student is eligible to take the NCLEX-RN exam. After successful passage of this exam, the student is an RN prepared to pursue a career in nursing. |
|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|----------------|-------------------------------------------------------------------------------|------------------------------------------------------------------------------------------------------------------------------------------------------------|--------------|--|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
|                                                                                                                                                                                                                                                                                                                                              | Credit Hours   |                                                                               |                                                                                                                                                            | Credit Hours |  |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        |
| GENERAL EDUCATION COURSES                                                                                                                                                                                                                                                                                                                    | 13 TOTAL HOURS | FIRST SEMESTER                                                                | 16 TOTAL HOURS                                                                                                                                             |              |  |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        |
| ENGLISH COMPOSITION COURSES                                                                                                                                                                                                                                                                                                                  |                | BISI 1114 General Biology (OR)                                                |                                                                                                                                                            |              |  |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        |
| ENGL 1113 English Composition I                                                                                                                                                                                                                                                                                                              | 3 hours        | CHEM 1314 General Chemistry I                                                 | 4 hours                                                                                                                                                    |              |  |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        |
| ENGL 1213 English Composition II                                                                                                                                                                                                                                                                                                             | 3 hours        | ORNT 1101 Freshman Orientation                                                | 1 hour                                                                                                                                                     |              |  |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        |
| HISTORY AND GOVERNMENT COURSES                                                                                                                                                                                                                                                                                                               |                | NURS 1114 Fundamentals of Nursing                                             | 4 hours                                                                                                                                                    |              |  |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        |
| HIST 1483 American History to 1877 (OR) HIST 1493 American History Since 1877                                                                                                                                                                                                                                                                | 3 hours        | NURS 1124 Fundamentals of Practicum                                           | 4 hours                                                                                                                                                    |              |  |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        |
| POLI 1113 American Government                                                                                                                                                                                                                                                                                                                | 3 hours        | PSYC 1113 General Psychology                                                  | 3 hours                                                                                                                                                    |              |  |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        |
| MATHEMATICS COURSES                                                                                                                                                                                                                                                                                                                          |                | SECOND SEMESTER                                                               | 18 TOTAL HOURS                                                                                                                                             |              |  |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        |
| *MATH 0023 Concepts of Algebra (see note below)                                                                                                                                                                                                                                                                                              | 3 hours        | ENGL 1113 English Composition I                                               | 3 hours                                                                                                                                                    |              |  |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        |
| ORIENTATION COURSES                                                                                                                                                                                                                                                                                                                          |                | BISI 2224 Human Anatomy & Physiology                                          | 4 hours                                                                                                                                                    |              |  |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        |
| ORNT 1101 Freshman Orientation                                                                                                                                                                                                                                                                                                               | 1 hour         | NURS 1234 Nursing of Adults                                                   | 4 hours                                                                                                                                                    |              |  |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        |
| NURSING CORE REQUIREMENT COURSES                                                                                                                                                                                                                                                                                                             | 18 TOTAL HOURS | NURS 1244 Nursing of Adults I Practicum                                       | 4 hours                                                                                                                                                    |              |  |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        |
| BISI 1124 General Biology for Majors (OR) BISI 1114 General Biology (OR)                                                                                                                                                                                                                                                                     |                | SOCI 1113 Principles of Sociology (OR) SOCI 2223 Social Problems              | 3 hours                                                                                                                                                    |              |  |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        |
| CHEM 1314 General Chemistry I                                                                                                                                                                                                                                                                                                                | 4 hours        | THIRD SEMESTER                                                                | 16 TOTAL HOURS                                                                                                                                             |              |  |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        |
| BISI 2124 Microbiology                                                                                                                                                                                                                                                                                                                       | 4 hours        | ENGL 1213 English Composition II                                              | 3 hours                                                                                                                                                    |              |  |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        |
| BISI 2224 Human Anatomy & Physiology                                                                                                                                                                                                                                                                                                         | 4 hours        | BISI 2124 Microbiology                                                        | 4 hours                                                                                                                                                    |              |  |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        |
| PSYC 1113 General Psychology                                                                                                                                                                                                                                                                                                                 | 3 hours        | NURS 2334 Maternal Child Nursing                                              | 4 hours                                                                                                                                                    |              |  |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        |
| SOCI 1113 Principles of Sociology (OR) SOCI 2223 Social Problems                                                                                                                                                                                                                                                                             | 3 hours        | NURS 2344 Maternal Child Nursing Practicum                                    | 4 hours                                                                                                                                                    |              |  |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        |
| PROGRAM REQUIREMENT COURSES                                                                                                                                                                                                                                                                                                                  | 37 TOTAL HOURS | NURS 2071 Seminar in Nursing I                                                | 1 hour                                                                                                                                                     |              |  |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        |
| NURS 1114 Fundamentals of Nursing                                                                                                                                                                                                                                                                                                            | 4 hours        | FOURTH SEMESTER                                                               | 18 TOTAL HOURS                                                                                                                                             |              |  |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        |
| NURS 1124 Fundamentals of Practicum                                                                                                                                                                                                                                                                                                          | 4 hours        | HIST 1483 American History to 1877 (OR) HIST 1493 American History Since 1877 | 3 hours                                                                                                                                                    |              |  |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        |
| NURS 1234 Nursing of Adults                                                                                                                                                                                                                                                                                                                  | 4 hours        | NURS 2415 Nursing of Adults II                                                | 5 hours                                                                                                                                                    |              |  |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        |
| NURS 1244 Nursing of Adults I Practicum                                                                                                                                                                                                                                                                                                      | 4 hours        | NURS 2425 Nursing of Adults II Practicum                                      | 5 hours                                                                                                                                                    |              |  |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        |
| NURS 2071 Seminar in Nursing I                                                                                                                                                                                                                                                                                                               | 1 hour         | NURS 2072 Seminar in Nursing II                                               | 2 hours                                                                                                                                                    |              |  |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        |
| NURS 2072 Seminar in Nursing II                                                                                                                                                                                                                                                                                                              | 2 hours        | POLI 1113 American Government                                                 | 6 hours                                                                                                                                                    |              |  |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        |
| NURS 2334 Maternal Child Nursing                                                                                                                                                                                                                                                                                                             | 4 hours        |                                                                               |                                                                                                                                                            |              |  |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        |
| NURS 2344 Maternal Child Nursing Practicum                                                                                                                                                                                                                                                                                                   | 4 hours        |                                                                               |                                                                                                                                                            |              |  |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        |
| NURS 2415 Nursing of Adults II                                                                                                                                                                                                                                                                                                               | 5 hours        |                                                                               |                                                                                                                                                            |              |  |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        |
| NURS 2425 Nursing of Adults II Practicum                                                                                                                                                                                                                                                                                                     | 5 hours        |                                                                               |                                                                                                                                                            |              |  |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        |
| TOTAL CREDIT HOURS                                                                                                                                                                                                                                                                                                                           | 68             |                                                                               |                                                                                                                                                            |              |  |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        |
| Note: General Biology and/or Chemistry I must be complete before enrolling in sophomore-level science course. See course descriptions at the back of the catalog for required sequencing of listed science courses. Students who have been formally accepted into the RN Nursing Program may have the option to have certain courses waived. |                |                                                                               | *Required core courses must have been taken within the last 5 years with a grade of C or above. This can be waived if a student has a degree or is an LPN. |              |  | Career Opportunities <ul style="list-style-type: none"><li>Registered Nurse (RN)</li></ul> NOC evaluates students for placement into either foundational or college-level courses, whichever will lead to the greatest possibility of student success. Academic placement is determined either by A C T test scores or by Accuplacer test scores. These tests are administered in the Testing Center at NOC. Based upon the scores, students may be required to take one or more courses for remediation in English, Math, or Reading, either prior to or concurrent with credit courses. See the NOC testing web page by clicking on the following link: ACT   Northern Oklahoma College ( <a href="http://www.noc.edu/act">http://www.noc.edu/act</a> ) for placement guidelines.                                                                                                                                                                                                                                                                                                    |
| *Students will be required to take MATH 0023 to complete this degree if their ACT score is below 19 in math (or the equivalent on the Accuplacer).                                                                                                                                                                                           |                |                                                                               | This is a suggested sequence timeline only. A student may require more than four semesters to complete an Associate in Applied Science degree.             |              |  |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        |

**PRACTICAL NURSE ELIGIBILITY CERTIFICATE**

(Note: Program requirements for this degree are offered on NOC Enid, NOC Fountain Square-Stillwater, and NOC Tonkawa campuses. At the beginning of each course listing, the four letter abbreviation indicates the department and the four digits indicate the course code used for enrollment. The total course hour value follows each.)

| PROGRAM REQUIREMENTS                                                                                                                               |                | SUGGESTED COURSE SEQUENCE                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  |                | Nursing is offered on all three NOC campuses: Tonkawa, Enid, and Stillwater. This practical nurse eligibility certificate will be issued to generic nursing students who have successfully completed their third semester in the Associate of Applied Science-RN degree. They will be eligible to apply to the State Board of Nursing for the practical nurse licensure examination. Earning this certificate will allow the student to increase their earning potential and gain valuable clinical experience as a Licensed Practical Nurse (LPN) before they complete the AAS-RN program. The nursing students can participate in the Student Nurses Association, both local and national. The nursing program is accredited by Accreditation Commission for Education in Nursing (ACEN) and approved by the Oklahoma Board of Nursing. |
|----------------------------------------------------------------------------------------------------------------------------------------------------|----------------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|----------------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
|                                                                                                                                                    | Credit Hours   |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            | Credit Hours   |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           |
| GENERAL EDUCATION COURSES                                                                                                                          | 37 TOTAL HOURS | FIRST SEMESTER                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             | 19 TOTAL HOURS | Students who desire to become candidates for Associate degree in Nursing are required to make a formal application to the Division of Nursing for admission. This application must be submitted to the Division of Nursing on or before March 1. Formal approval by the Nursing Division is required before being admitted into actual nursing courses. GPA is heavily weighed since acceptance is highly competitive. Tuition for the Nursing program is the same as for all other students at Northern. A Nursing Skills lab fee is charged each semester.                                                                                                                                                                                                                                                                              |
| ENGLISH COMPOSITION COURSES                                                                                                                        |                | BISI 1114 General Biology (OR)                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             |                |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           |
| ENGL 1113 English Composition I                                                                                                                    | 3 hours        | CHEM 1314 General Chemistry I                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              | 4 hours        |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           |
| ENGL 1213 English Composition II                                                                                                                   | 3 hours        | ORNT 1101 Freshman Orientation                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             | 1 hour         |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           |
| HISTORY AND GOVERNMENT COURSES                                                                                                                     |                | NURS 1114 Fundamentals of Nursing                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          | 4 hours        |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           |
| HIST 1483 American History to 1877 (OR) HIST 1493 American History Since 1877                                                                      | 3 hours        | NURS 1124 Fundamentals of Practicum                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        | 4 hours        |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           |
| POLI 1113 American Government                                                                                                                      | 3 hours        | PSYC 1113 General Psychology                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               | 3 hours        |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           |
| MATHEMATICS COURSES                                                                                                                                |                | HIST 1483 American History to 1877 (OR) HIST 1493 American History Since 1877                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              | 3 hours        |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           |
| *MATH 0023 Concepts of Algebra (see note below)                                                                                                    | 3 hours        |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            |                |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           |
| ORIENTATION COURSES                                                                                                                                |                | SECOND SEMESTER                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            | 18 TOTAL HOURS |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           |
| ORNT 1101 Freshman Orientation                                                                                                                     | 1 hour         | ENGL 1113 English Composition I                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            | 3 hours        |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           |
|                                                                                                                                                    |                | BISI 2224 Human Anatomy & Physiology                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       | 4 hours        |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           |
| NURSING CORE REQUIREMENT COURSES                                                                                                                   | 18 TOTAL HOURS | NURS 1234 Nursing of Adults                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                | 4 hours        |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           |
| BISI 1124 General Biology for Majors (OR) BISI 1114 General Biology (OR)                                                                           |                | NURS 1244 Nursing of Adults I Practicum                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    | 4 hours        |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           |
| CHEM 1314 General Chemistry I                                                                                                                      | 4 hours        | SOCI 1113 Principles of Sociology (OR) SOCI 2223 Social Problems                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           | 3 hours        |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           |
| General Biology or Chemistry I must be completed before enrolling in sophomore level science courses.                                              |                |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            |                |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           |
| BISI 2124 Microbiology                                                                                                                             | 4 hours        | THIRD SEMESTER                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             | 19 TOTAL HOURS |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           |
| BISI 2224 Human Anatomy & Physiology                                                                                                               | 4 hours        | POLI 1113 American Government                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              | 3 hours        |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           |
| PSYC 1113 General Psychology                                                                                                                       | 3 hours        | ENGL 1213 English Composition II                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           | 3 hours        |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           |
| SOCI 1113 Principles of Sociology (OR) SOCI 2223 Social Problems                                                                                   | 3 hours        | BISI 2124 Microbiology                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     | 4 hours        |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           |
|                                                                                                                                                    |                | NURS 2334 Maternal Child Nursing                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           | 4 hours        |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           |
| PROGRAM REQUIREMENT COURSES                                                                                                                        | 25 TOTAL HOURS | NURS 2344 Maternal Child Nursing Practicum                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 | 4 hours        |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           |
| NURS 1114 Fundamentals of Nursing                                                                                                                  | 4 hours        | NURS 2071 Seminar in Nursing I                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             | 1 hour         |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           |
| NURS 1124 Fundamentals of Practicum                                                                                                                | 4 hours        |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            |                |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           |
| NURS 1234 Nursing of Adults                                                                                                                        | 4 hours        |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            |                |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           |
| NURS 1244 Nursing of Adults I Practicum                                                                                                            | 4 hours        |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            |                |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           |
| NURS 2071 Seminar in Nursing I                                                                                                                     | 1 hour         |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            |                |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           |
| NURS 2334 Maternal Child Nursing                                                                                                                   | 4 hours        |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            |                |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           |
| NURS 2344 Maternal Child Nursing Practicum                                                                                                         | 4 hours        |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            |                |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           |
| TOTAL CREDIT HOURS                                                                                                                                 | 56             |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            |                |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           |
|                                                                                                                                                    |                | *Required core courses must have been taken within the last 5 years with a grade of C or above. This can be waived if a student has a degree or is an LPN.                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 |                | Career Opportunities                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      |
|                                                                                                                                                    |                | This is a suggested sequence timeline only. A student may require more than four semesters to complete an Associate in Arts degree.                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        |                |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           |
|                                                                                                                                                    |                | NOC evaluates students for placement into either foundational or college-level courses, whichever will lead to the greatest possibility of student success. Academic placement is determined either by A C T test scores or by Accuplacer test scores. These tests are administered in the Testing Center at NOC. Based upon the scores, students may be required to take one or more courses for remediation in English, Math, or Reading, either prior to or concurrent with credit courses. See the NOC testing web page by clicking on the following link: ACT   Northern Oklahoma College ( <a href="http://www.noc.edu/act/">http://www.noc.edu/act/</a> ) for placement guidelines. |                | • Licensed Practical Nurse (LPN)                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          |
| *Students will be required to take MATH 0023 to complete this degree if their ACT score is below 19 in math (or the equivalent on the Accuplacer). |                |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            |                |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           |

\*Students will be required to take MATH 0023 to complete this degree if their ACT score is below 19 in math (or the equivalent on the Accuplacer).

# 2017-2018 NOC Course Descriptions

## Accounting

### **ACCT 1113 Basic Business Records I**

The basic principles and practices of record keeping are the primary focus of Basic Business Records I.

### **ACCT 1123 Basic Business Records II**

The basic principles of record keeping for small businesses designed primarily for secretarial or occupational students.

Prerequisite: ACCT 1113 Basic Business Records I.

### **ACCT 1133 Payroll Accounting**

A study of payroll procedures, taxing entities, and reporting requirements of local, state, and federal taxing authorities in a manual and computerized environment.

### **ACCT 1203 Fundamentals of Accounting**

An introduction to the fundamental principles of double entry accounting as applied to practical business situations.

Emphasis is given to development of financial statements, debit and credit rules of accounting, the accounting cycle, special journals and payroll accounting. *Traditionally offered in the Fall semester only.*

### **ACCT 1353 Casino Accounting**

An introduction to accounting systems, procedures and controls relating to the gaming industry; covering the accounting process, revenue accounting, governmental regulations and internal controls related to gaming.

### **ACCT 2103 Accounting I—Financial**

An introduction to financial accounting concepts, principles and development of financial information. Course work includes the accounting processes and principles of accrual accounting. Prerequisite: MATH 1483 Math Functions or MATH 1513 College Algebra or concurrent enrollment with instructor permission.

### **ACCT 2123 Computer Accounting I**

An introduction to microcomputer applications related to accounting systems. Topics include general ledger; accounts receivable; accounts payable; inventory; payroll; and correcting, adjusting, and closing entries. Students will use a computer accounting software package to complete the financial accounting cycle for a sole proprietorship. Prerequisite: ACCT 1203 Fundamentals of Accounting or ACCT 2103 Accounting I-Financial. *Traditionally offered in the Fall semester only.*

### **ACCT 2153 Internal Auditing and Compliance for Casinos**

An introduction to the unique compliance aspects for casinos and specifics of auditing the casino floor including the casino cage, table games, slot operations, the currency-transaction reporting audit process, and the new technology in these departments. You will learn about the concepts of fraud, the magnitude of casino fraud, and fraud prevention.

Prerequisites: ACCT 1353 Casino Accounting and ACCT 2103 Accounting I-Financial.

### **ACCT 2203 Accounting II—Managerial**

An introduction to managerial accounting concepts and objectives, cost system designs, planning and control of sales and costs, analysis of costs and profits and accounting for managerial decision making. Prerequisite: ACCT 2103 Accounting I-Financial.

## Agriculture

### **AGRI 1013 Introduction to Horticulture Science**

An introduction to the principles and practices of horticulture plant systems. Plant Structure and Function will be discussed along with the effects of environmental factors on plant growth. General cultural practices will be described including pest control, nutrition, and propagation.

### **AGRI 1113 Introduction to Agricultural Economics**

An introduction to the role of agriculture within the U.S. economy. Topics will include economic analysis of the relationships between resources, production, income and consumption; discussion of economic systems; and economic applications for production and marketing. Prerequisite: math proficiency through MATH 0123 Intermediate Algebra.

*Offered fall semester only.*

### **AGRI 1122 Horse Evaluation/Judging**

Evaluation of horse conformation and performance; judging halter, western pleasure, English pleasure, reining, cutting and other classes. *Offered fall semester only.*

### **AGRI 1124 Introduction to Animal Sciences**

An introduction to production systems for the meat animal species: cattle, sheep, and swine. This course will examine global animal production, end-products and grading standards, an overview of the different breeds of livestock, biological aspects of production, and an introduction to management practices for each of the various species. *Offered fall semester only.*

**AGRI 1214 Introduction to Plant Sciences**

World population and food supply; factors influencing plant growth and distribution; plant origin and classification; functions of plant organs in relationship to management; plant nutrition, propagation and improvement; cropping systems, tillage and harvesting; utilization of economic plants. *Offered fall semester only.*

**AGRI 1222 Horse Evaluation II**

Continued experience with evaluating horses both at halter and during performance. Increased experience with different breeds of horses. Preparation for an intercollegiate competition. Prerequisite: Horse Evaluation I or consent of instructor. *Offered spring semester only.*

**AGRI 1223 Introduction to Plant and Soils Science**

An introduction to plant and soil systems and the interactions necessary to produce the food and fiber to feed the world. Historical aspects, plant growth, nutrition and function, soil classification, analysis and fertility, crop production systems, and utilization will all be discussed. *Offered fall semester only.*

**AGRI 2123 Livestock Feeding**

Nutrients, their functions and the nutrient composition of feedstuffs; feed classification; nutrient requirements of the various classes of livestock; balancing rations for different kinds of production. Prerequisite: math proficiency through MATH 0123 Intermediate Algebra. *Offered spring semester only.*

**AGRI 2124 Fundamental of Soil Science**

Formation and classification of soils, principal chemical, biological and physical properties of soils in relation to plant growth; soil fertility, productivity, and land use. Prerequisite: CHEM 1014 Concepts of Chemistry or CHEM 1314 Chemistry I or concurrent enrollment. *Offered spring semester only.*

**AGRI 2222 Live Animal Evaluation**

Modern tools for livestock selection including performance records, pedigree information, visual appraisal, and the principles of using these tools to evaluate critically cattle, sheep, swine, and horses. Prerequisite: AGRI 1124 Introduction to Animal Science or concurrent enrollment. *Offered fall semester only.*

**AGRI 2303 Development of Agricultural Leadership**

This course focuses on the development of leadership skills used in the agricultural industry and career fields. The course emphasis will be on enabling students to identify the key attributes of leadership by exploring their unique values system, vision, self-awareness, personal strengths and team building skills. Students will also learn valuable skills in resume writing, job interview and portfolio building. *Offered spring semester only.*

**AGRI 2401 Artificial Insemination--Beef**

The methodology and theory of artificial insemination applied to beef animals. A weekend course involving a review of the reproductive anatomy and physiology of beef animals, the proper procedure for storage and handling of semen, preparation of the female for insemination and the opportunity to apply these techniques to live animals.

**AGRI 2411 Artificial Insemination--Swine**

The methodology and theory of artificial insemination applied to swine animals. A weekend course involving a review of the reproductive anatomy and physiology of swine animals, the proper procedures for storage and handling of semen, preparation of the female for insemination and the opportunity to apply these techniques to live animals.

**AGRI 2421 Artificial Insemination--Sheep**

The methodology and theory of artificial insemination applied to sheep animals. A weekend course involving a review of the reproductive anatomy and physiology of sheep animals, the proper procedures for storage and handling of semen, preparation of the female for insemination and the opportunity to apply these techniques to live animals.

**AGRI 2423 Introductory Equine Management**

The course is designed to provide information that will aid the horse users in improving the management, care and handling of horses for pleasure and work.

**AGRI 2431 Livestock Judging**

Principles of live animal evaluation and the techniques for communicating the ideal concepts of selection of both market and breeding animals. Participation in competitive livestock judging contests is required and is subject to academic eligibility. Prerequisite: AGRI 1124 Introduction to Animal Science or concurrent enrollment.

**AGRI 2450 Special Problems in Agriculture**

Supervised study in Agriculture.

**AGRI 2460 Agricultural Internship**

Internship of various disciplines of agriculture for career determination. Experiences with actual businesses in agriculture to allow the student to investigate the specific job requirements and work environment involved with a particular sector of agriculture. Report must be completed at end of internship.

**AGRI 2523 Introduction to Sheep Production and Management**

A study of all aspects of sheep production including, but not limited to, managing nutrition, production, selection, reproduction, lambing, health, shearing, exhibition preparation, and showmanship. Students will have hands-on training throughout the course and will opportunity to exhibit sheep as members of the NOC Sheep Show team at various national exhibitions. Prerequisite: AGRI 1124 Introduction to Animal Science.

# Anthropology

## **ANTH 2353 General Anthropology**

An introduction to the field of anthropology emphasizing human genetics, Old World archaeology and the distribution of various populations around the world. (Meets requirement for humanities elective)

# Art

## **ART 1103 Introduction to Film & Video**

The course will provide a critical study of film as an art form and a reflection of modern culture. (Meets requirement for humanities elective)

## **ART 1113 Art Appreciation**

The study of art from a variety of different backgrounds and cultures as both product and process. Aesthetic judgment making in evaluation of art from different times and places is stressed. (Meets requirement for humanities elective and International Dimension)

## **ART 1193 Ceramics I**

Ceramics I covers a variety of building techniques, glazing and ceramics terminology, including surface decoration and firing processes.

## **ART 1203 Art History Survey I**

Art History Survey I is a study of the arts, artists and their cultures from Prehistoric Man through the Early Renaissance. (Meets requirement for humanities elective)

## **ART 1303 Art History Survey II**

Art History Survey II is a study of arts, artists and their cultures from the Early Renaissance to the present. (Meets requirement for humanities elective)

## **ART 1313 Drawing I**

Drawing I will develop the students' understanding of the basic concepts of drawing and their powers of observation. Students will work with various media, exploring the basic elements of shape, line, proportion, value and space while utilizing a variety of sources and environments.

## **ART 1323 Drawing II**

A continuation of Drawing I with emphasis on composition, color, development of ideas and the complex use of drawing mediums and materials.

## **ART 1433 Fundamentals of Two-Dimensional Art**

A study of two-dimensional design and application of art elements (shape, line, color, value, composition, space, form) in a variety of materials.

## **ART 2103 Film as Art**

Students will explore the principles of filmmaking (film style and narrative structure) through observation and written analysis of contemporary film.

## **ART 2113 Figure Drawing I**

Figure Drawing I includes the study in gesture and finished drawings of the model. Emphasis will be placed on pose, composition, a variety of media and the study of human anatomy. Students are encouraged to develop personal and expressive drawings.

## **ART 2193 Ceramics II**

Advanced techniques in wheel-thrown forms, hand building and surface decoration. Participation in glaze formulating and supervised firings.

## **ART 2213 Figure Drawing II**

Figure Drawing II will continue to develop a study in gesture and finished drawings of the model. Students will further their skills in use of media and papers.

## **ART 2333 Sculpture I**

Sculpture I is a creative approach to sculpture techniques and form exploration using a variety of media, stressing the development of technical and conceptual skills.

## **ART 2433 Sculpture II**

A continuation of ART 2333 Sculpture I, using a variety of media and advanced techniques to complete a series of studio assignments.

## **ART 2440 Supervised Study- Drawing**

Independent study.

## **ART 2450 Supervised Study- Art**

Independent study.

## **ART 2460 Internship in Art**



**ART 2501 The Human Figure**

A study of form, shape and texture and how light plays a critical role in photographing and drawing the human figure. Recognized as a fundamental challenge for the artist is the ability to depict the human figure in realistic and abstract ways.

**ART 2563 Fundamentals of Three-Dimensional Art**

A study of three-dimensional design and application of art elements using a variety of materials and processes. Students will engage in critical analysis and complete a series of studio assignments.

**ART 2611 Film Festival I (H\*)**

This class will view films and include a group discussion following each film. Content to be announced.

**ART 2621 Film Festival II (H\*)**

This class will view films and include a group discussion following each film. Content to be announced.

**ART 2631 Film Festival III (H\*)**

This class will view films and include a group discussion following each film. Content to be announced.

**ART 2641 Film Festival IV (H\*)**

This class will view films and include a group discussion following each film. Content to be announced.

**ART 2651 Film Festival V (H\*)**

This class will view films and include a group discussion following each film. Content to be announced.

**ART 2661 Film Festival VI (H\*)**

This class will view films and include a group discussion following each film. Content to be announced.

\*Note: Up to 3 1-hour designated humanities seminars can be taken to meet the 2<sup>nd</sup> requirement for humanities elective, in addition to a humanities course designated as International.

**ART 2713 Art For Digital Media**

This course is designed to promote imaginative, individualistic and innovative approaches to mix traditional art skills with digital media. Students will develop a better understanding of color difference between traditional CMYK and RGB in digital media. Projects will include transferring traditional art in a digital format and creating digital art from traditional theories.

**ART 2853 Painting I**

Painting I will develop skills in opaque painting, stressing form and content, visual appreciation and individual expression. Still life, figure and landscape problems are included.

**ART 2863 Painting II**

A continuation of ART 2853 Painting I. Projects will stress form and content, visual appreciation and individual expression.

**ART 2933 Watercolor Painting I**

Watercolor I will develop skills in transparent water color painting, stressing form and composition, visual perception and individual expression.

**ART 2943 Watercolor Painting II**

A continuation of Water Color Painting I (ART 2933), with stress on form and composition, visual perception, individual expression and color theory.

**ART 2951 Portfolio/Gallery Seminar**

Preparation for graduate art exhibition: Poster design, portfolio and resume development, marketing strategies, art preparation, installation of art in the Eleanor Hays Art Gallery.

## **Astronomy (currently Enid-campus only program)**

**ASTR 1014 Survey of Astronomy**

The large-scale structure of the Universe and our place in it. The origin, evolution and general properties of planets, stars and galaxies are presented. Lab required. (Meets general education Physical Science requirement.)

**ASTR 1503 Observational Astronomy**

Primarily web-based content. Study of planets, stars, galaxies, and nebulae through observation, image acquisition, and data processing using the NOC telescopes and instruments. Images of objects of interest are obtained utilizing telescopes at the NOC Observatory and with remotely-operated telescopes. Collaborative projects conducted with students in other colleges and universities and mentoring K-12 students may be required. Students may not receive credit for both ASTR 1014 and 1503.

**ASTR 1523 Planetary Science**

Origin and evolution of the solar system. Origin and characteristics of terrestrial planetary atmospheres. Characteristics of gas giant planets and ice moons, asteroids and comets. Discoveries and characteristics of extra-solar planetary systems. Aspects of colonization. Recommended preparation: ESCI 1214 or GEOL 1114 (Meets general education Physical Science requirement.) *Offered spring semester only.*

**ASTR 1533 Search for Life**

Topics include various strategies involved in the search for extraterrestrial life, the origin and evolution of planets and processes necessary for life to develop on planets. Also presented are strategies for interplanetary and interstellar travel

and the exploration and colonization of space. (Meets general education Physical Science requirement.) Offered fall semester only.

#### **ASTR 2563 Galaxies and Cosmology**

The origin of matter, energy, and forces in the early universe. Characteristics of various types of galaxies. The large-scale structure of the universe. General relativity and concepts of curved space are presented.

(Meets general education Physical Science requirement.)

#### **ASTR 2513 Observatory Methods**

Techniques of using telescopes and astronomical instruments, astronomical data collection and processing. Concepts of optics, CCD imaging systems and procedures for photometry and spectroscopy are covered. A research project utilizing the NOC Observatory is required.

## **Biological Science**

#### **BISI 1114 General Biology**

An introduction to the fundamental concepts and principles of molecular and cellular biology with emphasis on morphological and physiological processes of the plant and animal kingdom. Includes appropriate laboratory work and demonstrations to implement the fundamental principles of concepts learned in theory. (Meets general education Biological Science requirement.)

#### **BISI 1124 General Biology for Majors**

An in-depth study of the principles of biology with emphasis placed on the molecular and cellular components, metabolism, genetics, evolution, and ecology. Appropriate laboratory work and demonstrations will be added to implement fundamental principles and concepts learned in theory. This course is recommended for students majoring in Biology, Medicine--Pre-Professional, Pharmacy—Pre-Professional, Nursing—Pre-Professional, Veterinary Medicine—Pre-Professional, and those students who wish to take an advanced biology course. (Meets general education Biological Science requirement; students should enroll in either BISI 1114 **or** 1214, but not both.)

#### **BISI 1214 Introduction to Environmental Science**

This is an introductory course that emphasizes the impact of humans on the environment. A survey of a broad range of environmental issues from a scientific viewpoint emphasizing the study of the structure and function of ecosystems, basic ecological and thermodynamic principles with applications to air, water, and land; human demography, population growth, food supply, and energy issues; extinction; and alternative futures. Students will examine environmental problems and ascertain how social dynamics affect policy and the decision-making process. Includes appropriate laboratory work and demonstrations to implement the fundamental principles and concepts learned in theory. Prerequisites: none required, however students are encouraged to complete BISI 1114 prior to enrollment in this course. (Meets general education Biological Science requirement.)

#### **BISI 1314 General Botany**

Introductory majors course covering plant growth, development, and reproduction from molecular, cellular, physiological, and anatomical aspects. Genetics, classification, economical, and environmental aspects will be surveyed including key concepts in biology. Includes appropriate laboratory work and demonstrations to implement the fundamental principles and concepts learned in theory. Prerequisites: none required, however students are encouraged to complete BISI 1124 General Biology for Majors prior to enrollment in this course. Offered fall semester only. (Meets general education Biological Science requirement.)

#### **BISI 1414 General Zoology**

Introductory majors course covering biological principles and concepts as related to the study of animals with emphasis on structure, function, behavior, and evolution. Topics include such areas as taxonomy and systematic anatomy and physiology, ecology, genetics, and evolution. Includes appropriate laboratory work and demonstrations to implement the fundamental principles and concepts learned in theory. Prerequisites: none required, however students are encouraged to complete BISI 1124 General Biology for Majors prior to enrollment in this course. (Meets general education Biological Science requirement.) *Offered spring semester only.*

#### **BISI 2024 Entomology**

Basic structure, function, and classification of insects and closely related animals. Coverage of insects in ecosystems and development of control programs that reduce reliance on chemical pesticides, including Integrated Pest Management. Lab will include identification and labeling of insects, and the procurement of an insect collection representing major orders. Prerequisites: BISI 1114 General Biology, BISI 1124 General Biology for Majors, or BISI 1414 General Zoology. Offered fall semester only.

#### **BISI 2104 Human Anatomy**

A single semester majors course with lab. A study of the microscopic and gross anatomy of the human body. Areas of emphasis will include cytology, histology, and organ systems. Includes appropriate laboratory work and demonstrations to implement the fundamental principles and concepts learned in theory, which includes dissection of non-human mammals. Prerequisite: BISI 1114 General Biology, BISI 1124 General Biology for Majors, or BISI 1414 General Zoology. (Meets general education Biological Science requirement.)

**BISI 2124 Microbiology**

Introductory majors course with a 3-hour lab per week. A survey of the Archeae, Monera, and Protozoans, with emphasis on their morphology, physiology, immunology, and disease aspects. Includes appropriate laboratory to emphasize techniques of staining, culturing and identification of pathogenic and nonpathogenic organisms. Designed for students in the pre-professional, paraprofessional and health occupation areas. Prerequisites: BISI 1114 General Biology, BISI 1124 General Biology for Majors, or BISI 1414 General Zoology, **and** CHEM 1314 Chemistry I.

\*Students in a degree major requiring this course but not CHEM 1314 must have instructor approval prior to enrolling in this course. (Meets general education Biological Science requirement.)

**BISI 2204 Human Physiology**

A single semester majors course with lab. Study of the functions of the human body. Emphasis includes cytology, organ systems and the interrelationships of the systems. Includes appropriate laboratory work and demonstrations to implement the fundamental principles and concepts learned in theory. Prerequisite: BISI 1114 General Biology, BISI 1124 General Biology for Majors, or BISI 1414 General Zoology **and** CHEM 1314 Chemistry I. (Meets general education Biological Science requirement.)

**BISI 2214 Human Anatomy and Physiology**

An introduction to the anatomical and physiological principles and concepts as related to the human body. A course designed for 2-year nursing students and students enrolled in cooperative Career Tech programs. Includes appropriate laboratory work and demonstrations to implement the fundamental principles and concepts learned in theory which includes dissection of nonhuman mammals. Prerequisites: BISI 1114 General Biology, BISI 1124 General Biology for Majors, or BISI 1414 General Zoology. (Meets general education Biological Science requirement.)

**BISI 2324 Comparative Vertebrate Anatomy**

An investigation of early development, phylogeny, anatomy, morphology, and evolution of vertebrates, including laboratory studies involving extensive vertebrate dissections. Prerequisites: BISI 1414 General Zoology.

**BISI 2403 Introduction to Wildlife Conservation**

A survey course on the many aspects of wildlife conservation. Principles of conservation and management, ecology, mathematical modeling, law enforcement, endangered species preservation, genetic diversity conservation, predator management, and inter-governmental agencies relationships are emphasized. Required field trips. Prerequisites: BISI 1114 General Biology, BISI 1124 General Biology for Majors, BISI 1314 General Botany, or BISI 1414 General Zoology. Offered spring semester only.

**BISI 2450 Supervised Study in Biology**

Independent study course in the biological sciences for specific and advanced fields of study that utilize one or more components of the scientific method in conducting field or laboratory research: literature review, development of methodologies, data collection, data analysis, the writing of a report/scientific paper, and/or giving a presentation. Consent of instructor required. Credit 1 to 3 hours.

**BISI 2460 Internship in Biology**

## Business Management

**BMGT 1213 Spreadsheets**

An overview of all aspects of Spreadsheet software, from the basics to extensive coverage of macros and other advanced commands. Classroom curriculum will include hands-on experience with each particular concept.

**BMGT 1231—Excel Seminar**

An introduction to the basic aspects of Microsoft Excel.

**BMGT 1321—Word Seminar**

An introduction to the basic aspects of Microsoft Word.

**BMGT 1431—Access Seminar**

An introduction to the basic aspects of Microsoft Access.

**BMGT 1711—PowerPoint Seminar**

An introduction to the basic aspects of Microsoft PowerPoint.

**BMGT 2143 Marketing**

Presents the fundamental principles and functions of all aspects of marketing, including consumer behavior issues, products, pricing, distribution, promotion, research, strategy, and trends. Traditionally offered in the spring semester only.

**BMGT 2163 ECommerce/Internet Marketing**

An overview of electronic marketing concepts in marketing products, including websites, data collection, and electronic communications and interfaces. *Traditionally offered in the Spring semester only.*

**BMGT 2233 Human Resource Management**

An introduction to the development, application, and evaluation of policies, procedures, and programs for the recruitment, selection, development, and utilization of human resources in an organization. *Traditionally offered in the Spring semester only.*

**BMGT 2240 Business Internship**

A course that consists of interrelated work between the student and business or industry in which students combine classroom theory with on-the-job training or observation. *By instructor permission only.*

**BMGT 2263 Principles of Management**

An introduction to the fundamental principles of management such as planning, organizing, leading, and controlling the basic processes of a firm. *Traditionally offered in the Fall semester only.*

## Business Administration

**BSAD 1103 Introduction to Business**

An introduction to business, survey of basic functions, principles and practice of business in the nation and the world.

**BSAD1113 Digital and Financial Literacy**

An introduction to the basic financial issues relevant to the individual with emphasis on budgeting, insurance, banking, credit usage and investing. Various software applications (word processing, spreadsheet development, presentation and money management tools) are utilized to emphasize the importance and connection of financial management to the current digital age.

**BSAD 1203 Introduction to Entrepreneurship**

An introduction to the opportunities and challenges facing entrepreneurs in a dynamic marketplace. Topics include the analysis of personal strengths and weaknesses as they relate to launching an entrepreneurial career, an overview of the study of entrepreneurship, the principles of recognizing and exploiting viable business ventures, and foundational concepts of planning, financing, starting and managing a new business through the creation of a business plan.

**BSAD 2113 Business Communications**

A survey course of communication skills needed in the business environment. Course content includes writing memoranda, letters, reports, resumes, and electronic messages; delivering oral presentations; and developing interpersonal skills. Critical thinking and problem solving skills are emphasized. Development of these skills is integrated with the use of technology. Prerequisite: English Composition I (ENGL 1113) and typing ability.

**BSAD 2313 Business Law**

Course presents a history of the development of business law. Topics covered include general law of contracts, negotiable instruments, insurance, employer and employee, principal and agent and ethical issues in business decision making.

**BSAD 2323 Real Property Law**

A study of the principles of law applicable to real property transactions and conveyances, title and forms of land ownership, legal descriptions, recording requirements, closing procedures, liens and causes of action pertaining to real property. Emphasis is on ethical transference of rights.

## Basic Science

**BSCI 0123 Basic Science**

Designed to introduce the student to the principles of basic physical and biological science. Basic science emphasizes laboratory techniques and math skills necessary in college-level science courses.

## Chemistry

**CHEM 1014 Concepts in Chemistry**

An introduction to the chemical nature and properties of inorganic compounds. Topics presented include a historical development of theoretical principles, atomic and molecular structures, inorganic nomenclature, states of matter, properties of gases and solutions, acids/bases and salts, chemical equilibrium, nuclear and chemical reactions and descriptive chemistry of selected elements. Laboratories are designed to reinforce theory principles. Prerequisite: Must have completed a college-level math (not zero-level) or be concurrently enrolled. (Meets general education Physical Science requirement.)

**CHEM 1314 General Chemistry I**

Basic concepts of chemistry, including physical and chemical properties, formulas, equations, nomenclature, atomic structure, gases, thermochemistry, periodicity and bonding. Suitable for students in engineering, pre-medicine, physical sciences, and biological sciences. Laboratories are designed to reinforce theory principles. Prerequisite: Completion of or concurrent enrollment in MATH 1513 College Algebra. (Meets general education Physical Science requirement.)

**CHEM 1414 General Chemistry II**

Continuation of General Chemistry I including solutions, solids and liquids, chemical kinetics, equilibria, acid-base concepts, solubility, oxidation-reduction and free energy concepts. Laboratories are designed to reinforce theory principles. Prerequisite: Chemistry I (CHEM 1314). (Meets general education Physical Science requirement.)

### **CHEM 2014 Process Organic Chemistry**

Terminal course in organic chemistry covering general principles, methods of preparation, reactions and uses of both acyclic and cyclic compounds. Recommended for Process Tech majors, agriculture majors, home economics majors, pre-pharmacy and pre-veterinary medicine. Laboratories are designed to reinforce theory principles. Prerequisite: CHEM 1014 Concepts in Chemistry or higher level chemistry course. (Meets general education Physical Science requirement.)  
*Offered spring semester only.*

## **Child Development**

### **CD 1023 Introduction to Early Childhood Education**

This course covers the history and realities of the early childhood profession. Students will cover the legal and ethical responsibilities that early childhood professionals must follow. Students will be able to identify best practices for developmentally appropriate environments for children in a variety of settings. They will be able to evaluate goals and objectives for early childhood settings. This course will meet competency goals number I, II, V and VI.

### **CD 1043 Children's Music, Movement, & Art**

Emphasizes the acquisition of knowledge of and the ability to develop and implement learning experiences, using the concepts and tools of inquiry in music, movement and creative arts and perpetual motor development. Understanding and appreciating the role of the arts in the development of young children, providing them with meaningful experiences in the arts is also covered. Course combines class-room instruction, hands on activities and observations of young children in group care to develop competence in the design and implementation of curriculum and instructional strategies related to music, movement and creative arts.

### **CD 1053 Children's Health, Safety, & Nutrition**

Students will be able to identify and implement best practices for health, safety and nutrition in a variety of early childhood settings. Incorporating policies and procedures for early childhood settings along with national and state standards will be discussed. This course will meet competency goals number I, II, V and VI.

### **CD 1083 Curriculum Development**

This course covers how to create, evaluate, and select developmentally appropriate materials, equipment and environments that support children's learning in an early childhood setting. The course will focus on the design, implementation of curriculum with emphasis on developmentally, individually, culturally and creatively appropriate practices. Students will demonstrate the planning process, determine concepts and skills with assessment and evaluation based on different ages and individual differences.

### **CD 2013 Behavior, Development and Guidance of Children**

This course will cover child development from birth to eight years of age emphasizing the causes of behavior in young children in a child care setting will be introduced. Strategies necessary in implementing positive child guidance techniques within an environment of acceptance and positive regard for all children and families will be explored. Students will be able to demonstrate an ability to communicate and work collaboratively with families. This course will meet competency goals number III, IV, V and VI.

### **CD 2023 Children with Special Needs**

Emphasis on implementing practical strategies and inclusive practices. Provide understanding of conditions, which affect children's development and learning, including risk factors, developmental variations and developmental patterns of specific disabilities. Content covers how to create and modify environments and experiences to meet individual needs of children with disabilities, developmental delays and special abilities. Course also includes opportunities to evaluate and demonstrate appropriate use of technology with young children, including assistive technologies. Knowledge of state and federal legislation related to providing services for children with disabilities and their families is also emphasized. Course combines lecture, hands-on and observations.

### **CD 2033 Children's Language Arts & Literature**

This course will explore language development for children birth to eight years, including the interrelationships among listening, speaking, pre-writing and pre-reading skills. The student will be able to observe and outline developmental milestones of language development and communication in children. Focus on the educators' and families' roles in promoting emergent literacy in a developmentally appropriate setting. The student will review children's literature and be design effective techniques to enhance language development with emphasis on a multicultural approach.

### **CD 2043 Child & Family in Society**

This course focuses on an understanding of how children develop within the context of the family and society. Students will demonstrate their knowledge of how diverse families, an early childhood setting and society can work together for the optimum development of children, with emphasis on American subcultures. Methods for communication, parent involvement within these settings will be discussed.

### **CD 2083 Child Development Practicum**

The student will develop individual records of planning, implementation, parent/teacher conferences within an early childhood setting. Students will do observations of a variety of early childhood settings identifying developmentally



appropriate environments, inclusiveness, equipment, activities as well as health, safety. Students will also demonstrate proficiency through instructor observation in an early childhood setting.

#### **CD 2113 Child Development in the Human Lifespan**

The study of development across the lifespan from conception to death. The principles of development, developmental theories, and the dynamics of development through a global multicultural approach within the context of the family, society, and culture.

#### **CD 2143 Preschool Programming**

This course covers how to create, evaluate, and select developmentally appropriate materials, equipment and environments that support children's learning specific to children three years to six years. The course will focus on the design, implementation of curriculum with emphasis on developmentally, individually, culturally and creatively appropriate practices. Students will demonstrate the planning process and determine concepts and skills with assessment and evaluation based on preschoolers and their individual differences.

#### **CD 2243 Infant & Toddler Programming**

This course covers how to create, evaluate, and select developmentally appropriate materials, equipment and environments that support children's learning specific to children's birth through 36 months. The course will focus on the design, implementation of curriculum with emphasis on developmentally, individually, culturally and creatively appropriate practices. Students will demonstrate the planning process and determine concepts and skills with assessment and evaluation based on infant and toddlers and their individual differences.

#### **CD 2313 Administration & Management of Child Care Programs**

This course is an overview of administration of an early childhood program. Setting goals and developing objectives for staff recruitment, personnel policies and supervision will be discussed. State and national standards, along with how to implement developmentally appropriate practice, will be addressed. Students will study recordkeeping along with development and implementation of a budget.

## **Computer Science**

#### **CS 1013 Visual BASIC Programming**

An introduction to Visual Basic programming. This course includes graphical user interface design, event driven programming, tool box controls and properties, basic control structures and dynamic arrays. *Traditionally offered in the Fall semester only.*

#### **CS 1113 Computer Concepts**

An introduction to the basic concepts of computer technology in a business environment along with the fundamentals of microcomputer business applications. Hands-on use of microcomputers will introduce computer operating systems; file management; Internet; use of system tools; word processing, spreadsheet, database and presentation software.

#### **CS 2113 Pascal Programming**

Using the computer language PASCAL, structured methods are introduced covering basic control structures, files, input/output and arrays. Prerequisite: College Algebra (MATH 1513) or concurrent enrollment.

#### **CS 2123 Business Technologies and Applications**

Computer concepts, terminology and soft-ware applications. An overview of hardware and software components, file structures, management information systems, futuristic trends, database management systems, system analysis and design and data communications. Also included is an introduction to database, spreadsheet and word processing software application packages and application programming. Prerequisite: CS 1113 Computer Concepts or BSAD 1113 Digital and Financial Literacy.

#### **CS 2223 COBOL Programming**

Basic concepts of the business-oriented computer language are presented with students writing debugging and testing programs dealing with business applications. Various program structures and techniques are covered including table manipulation and sequential file access methods. Prerequisite: a Computer language.

#### **CS 2243 Advanced COBOL Programming**

A continuation of COBOL Programming that includes the topics of sequential and relative file access methods and updating, indexed sequential file access methods including sequential and random updating, advanced table handling routines, intrinsic sorts, segmentation and the use of subprograms.

Prerequisite: CS 2223 COBOL Programming.

#### **CS 2303 Java Programming**

An overview of programming using the Java language plus practical object-oriented principles focusing on how to develop Java applications. *Traditionally offered in the Spring semesters only.*

#### **CS 2313 Programming with C++**

An overview of programming using the language C++ that includes fundamental control structures, files, input/output, and arrays. Prerequisite: CS 1013 Visual Basic Programming or CS 2303 Java Programming. *Traditionally offered in the Fall semesters only.*

## **Criminal Justice Administration**

### **CRMJ 1113 Introduction to Criminal Justice**

This course is a survey of the American Criminal Justice System to include all components, police, prosecution, courts and corrections. It defines each component's function. The course also examines one component's effect on the other components through historical development and modern concepts.

### **CRMJ 1223 Criminal Law-Administration of Justice**

This course is the study of substantive criminal law through both general and specific elements of the major crimes of our society. *Offered fall semester only.*

### **CRMJ 1333 Criminal Evidence**

This course is the study of the basic rules of evidence applicable to criminal law and criminal procedure. The course also explains the exceptions to those rules and procedures. *Offered spring semester only.*

### **CRMJ 1523 Introduction to Corrections**

This course analyzes the history of, theories of, and descriptions of the corrections system of justice. Contemporary correctional practices and functions of agencies and personnel will be presented and discussed to identify best practices.

### **CRMJ 2113 Criminal Investigation**

This course explains the techniques and skills of the investigation of crimes that affect our society. This process includes fact gathering, testing of hypotheses and the problem of proof. Prerequisites: CRMJ 1223 Criminal Law-Administration of Justice and CRMJ 1333 Criminal Evidence. *Offered spring semester only.*

### **CRMJ 2223 Organization and Administration of Law Enforcement**

This course is the study of the management and structure of the American Police System. This is done through the historical and modern concept of police management and organization. It also explores the problems that the police manager must overcome.

### **CRMJ 2233 Juvenile Delinquency**

This course studies the organization, functions and jurisdiction of juvenile agencies and juvenile court. It also includes the study of the special problems juveniles face in our society.

### **CRMJ 2401 Crime Scene Photography Seminar**

This seminar is a review of the basics of criminal investigation and how photography plays an important part in that process. It is also a review of photographic principles and the specifics for photo-investigative techniques. Several demonstrations are given. *This seminar is only offered in the spring semester.*

### **CRMJ 2450 Supervised Study in Criminal Justice**

Credits in this course area are usually confined to student independent studies and practicum programs.

### **CRMJ 2460 Internship in Criminal Justice**

This course offers an introduction to the opportunities and challenges of the criminal justice system. Career exploration experiences allow the student to investigate specific job requirements and work environments. Reports must be completed during the internships.

## **Learning Assistance**

### **DEVS 0123 Learning Assistance**

Learning Assistance is a course designed to assist students with a specifically identified learning disability. Enrollment is permitted only with permission of a counselor.

### **DEVS 1101 or DEVS 1102 Academic Success Strategies**

This course is designed to assist students who have been suspended and readmitted under probation with information to assist them in determining the behaviors that led to their suspension and the behavioral changes necessary to succeed in college. It includes information on goal setting, time management, study skills, test taking, and the academic community.

### **DEVS 1112 World of Work**

Assists students in exploring career options through increased understanding of self and expanded knowledge of occupational information. Includes a study of the decision-making process and a look at the present and future changing world of work.

## **Digital Media, Animation and Design**

### **DMAD 1113 Introduction to Digital Video – 2D Animation**

A study of time based animation, introduces the student to basic concepts and theories of compositing, sequencing, editing, rendering and organization. Students will also learn how to communicate ideas and information through the use of these elements.

### **DMAD 1123 Web Design**

This course introduces students to web layout and design techniques. Students will learn how to create websites, with Macromedia's Dreamweaver software and demonstrate creative interface design, use visually compelling graphics, convenient navigation and functional site organization. Students will progress through the various stages of web site

development, from preparation and design to implementation, maintenance and continual improvement. Students will evaluate the difference between a well-designed and a poorly-designed web site.

#### **DMAD 1133 Introduction to 3D Animation**

This course will introduce students to the basic concepts and possibilities of computer animation using Maya Unlimited. Students will develop a basic understanding of Maya as a 3D program, along with such general animation concepts as modeling, texturing, animation and basic rendering. The goal of this class is to build familiarity with the tools, terminology and ideas involved in the popular 3D world.

#### **DMAD 1213 Graphic Design**

This course trains students in an environment that balances visual art with state-of-the-art software. This class emphasizes the design of visual communications where students acquire concepts and problem-solving skills as they relate to the marketing of products through graphic and motion graphic design. Prerequisite: Introduction to Digital Video-2d Animation (DMAD 1113)

#### **DMAD 1223 Intermediate Web Design - Flash**

Students will use Macromedia Flash to learn how to integrate video, text, audio and graphics into an interactive web site. The students will learn how to create content and apply this to their web site development skills through a variety of projects along with interactive marketing and presentations. Prerequisite: Web Design-Dreamweaver (DMAD 1123).

#### **DMAD 1233 Digital Filmmaking**

This course is an introduction to the art and techniques of digital cinema combined with multimedia technology. Students will be exposed to a variety of software that incorporates interactivity and digital video. Over the course of the semester, teams will work through the three phases of a digital film production: pre-production, production and post-production. Emphasis is placed on the short form video and the manipulation of footage to include graphic and 3D elements, composited imagery and other visual effects. Prerequisite: Introduction to Digital Video-2D Animation (DMAD 1113) and Introduction to 3D Animation-Maya (DMAD 1133).

#### **DMAD 1243 Intro to Game Development**

This course introduces the concepts and skills to creating assets and environmental art for game development. Students will learn to build art assets such as modular game assets, architectural components and reusable landscape models, then import those real-time assets and environments in a commercial game engine.

#### **DMAD 2311 Digital Audio Production**

This course will focus on the popular creation of audio and editing audio digitally for personal or professional use. Some examples include audio for mixing music, stacking sounds, commercials and DVD's.

#### **DMAD 2313 Motion Graphics I**

By adding concepts of motion and timing to text and graphics, students will create dynamic graphics for broadcast video, titling, animation and interactive applications. Particular emphasis will be placed on the integration of motion messages with graphics, video and still images for the on-screen environment and spot advertisements. DMAD majors only.

#### **DMAD 2321 Video Editing Basics**

This seminar will focus on basic editing techniques used in the professional industry. Student will learn how to digitize footage, make in and out points, trim clips and edit clips in a timely manner. (For non DMAD majors only)

#### **DMAD 2323 3D Animation II**

This course builds on the concepts and skills introduced in Introduction to 3D Animation. Students will continue to develop practical knowledge of 3D animation and expand their skills using Maya for intermediate level polygon and NURBS modeling, texturing, animating and includes an introduction to rigging. DMAD majors only.

#### **DMAD 2331 DVD Basics**

This course will focus on the practical use of the interface, tool set, navigation and menu options for authoring DVD's for home or business use. (For non DMAD majors only).

#### **DMAD 2333 3D Animation III**

This course further develops the student's skills in Maya. This course will emphasize more advanced studies on texturing, proportions, movement, focus points and light intensity to gather more experience to develop a time/space relationship of a 3D conceptual model. DMAD majors only.

#### **DMAD 2343 Texturing**

This course will focus on different texturing methods that include UV mapping and creating custom color, bump, specular, reflection and other texture maps for 3D models created by the students in previous projects assigned. DMAD majors only.

#### **DMAD 2353 Digital Video II – Post-Production**

This course explores short-form video and its relationship to new digital technology, focusing specifically on digital post-production. The projects for this course are theme-based and provide students with a conceptual root by which to develop an artistic timing skill necessary in the field of Digital Media. This course will employ various media types such as motion graphics, motion menus, animations, sound, and video. Students will complete the course by implementing their final rendered project as a DVD demonstration reel. DMAD majors only.

#### **DMAD 2373 Motion Graphics II**

This course extends the skills and concepts from Motion Graphics I by teaching advanced features such as expressions, compositing and visual effects. Students will also incorporate 3D elements from Maya into After Effects for their specified projects. DMAD majors only.

#### **DMAD 2382 Multimedia Project**

This capstone project brings all of the separate multimedia elements together into a comprehensive multimedia package including web, video, sound, 2D and 3D animation. These projects will be structured to simulate real-world, commercial multimedia production. Major projects will include the student's personal biography for an interactive DVD and on-line portfolio. DMAD majors only.

#### **DMAD 2393**

This course develops practical applications in the creation of digitally mediated communication for entertainment using concepts and skills for creating real world production experience in designing content creation. A range of the newest cutting edge media will be used for this course. This allows the student to exercise forward-thinking, conceptualization, innovation, critical thinking, and visualization for specific projects.

## **Earth Science**

#### **ESCI 1214 Earth Science**

Subject matter content is composed of general concepts taken from the science areas of geology, astronomy, meteorology, and oceanography. A combination lecture, demonstration, discussion and laboratory experience. A general education course which fulfills the physical science requirement. (Meets general education Physical Science requirement.)

#### **ESCI 2450 Supervised Study in Science**

Independent study course in the earth sciences for specific and advanced fields of study that utilize one or more components of the scientific method in conducting field or laboratory research: literature review, development of methodologies, data collection, data analysis, the writing of a report/scientific paper, and/or giving a presentation. Consent of instructor required. Credit 1 to 3 hours.

## **Economics**

#### **ECON 2113 Macroeconomic Principles**

An introduction to the functioning of the aggregate economy. Topics include basic principles of demand and supply, national income accounting, business cycles, employment, inflation and price stabilization, fiscal policy, monetary policy and aspects of the international trade. Prerequisite: MATH 1483 Math Functions or MATH 1513 College Algebra or concurrent enrollment with instructor permission.

#### **ECON 2123 Microeconomic Principles**

An introduction to the specific components of economic systems with emphasis given to basic principles of demand and supply, elasticity, utility analysis, marginal analysis, market structures, cost of production, factor prices, government regulations and international trade. Prerequisite: MATH 1483 Math Functions or MATH 1513 College Algebra or concurrent enrollment with instructor permission.

## **English**

#### **ENGL 0122 Supplement to Composition 1**

Designed to provide supplemental instruction for ENGL 1113 English Composition 1. Extra practice in grammar, writing, focus, and audience analysis, in addition to topics covered in English Composition 1. Students must be enrolled in ENGL1113 in the same semester as ENGL 0122. A student must have a 15-18 ACT score to enroll.

#### **ENGL 0123 Basic Composition**

Designed to introduce or review sentence structure, punctuation and writing skills. Basic composition prepares students to master the skills necessary for writing effective college-level papers.

#### **ENGL 1113 English Composition I**

This course includes the fundamentals of expository writing with emphasis on structure, development, sentence style and grammatical correctness.

#### **ENGL 1213 English Composition II**

This course includes a review of the fundamentals of expository writing with emphasis on argumentation, research techniques and style, used in literary and personal writing. Prerequisite: ENGL 1113 English Composition I or equivalent.

#### **ENGL 1223 Technical Writing**

This course emphasizes clarity, conciseness, correctness and accuracy that address technical and general audiences. Students will write letters, a proposal, a formal report and other documents that relate to technical topics in their major fields. Prerequisite: ENGL 1113 English Composition I or equivalent.

**ENGL 1450 Language Arts Seminar**

This course includes various fields of English studies, including literary travels, book discussions, poetry readings and seminars. This course is open to change according to the various needs of students and the discretion of Language Arts instructors. Credit hours earned will depend on the specific topic and study involved.

**ENGL 2233 English Grammar for Educators**

This course will review usage and mechanical guidelines through study of diagrams and in-class drills suitable for K-12 instruction.

**ENGL 2413 Introduction to Creative Writing**

This course includes the study and practice of creative writing as it pertains to poetry, fiction, and creative nonfiction, both from a critical and personal perspective. (Meets humanities requirement)

**ENGL 2423 Introduction to Fiction Writing**

A practical study of the techniques of fictional narrative, with particular emphasis on the development of narrative voice. Students will learn to identify specific rhetorical devices professional writers employ and apply those techniques to their own original works of fiction. Prerequisites: ENGL 1113, Composition I, and ENGL 2413, Introduction to Creative Writing, or permission of the instructor.

**ENGL 2433 Introduction to Poetry Writing**

A thorough overview of the basics of writing both traditional and experimental verse. Students will study genres, forms, sonic devices, and rhetorical strategies, with an emphasis on developing a unique voice through workshops and guided study of models both old and new. Prerequisites: ENGL 1113, Composition I, and ENGL 2413, Introduction to Creative Writing, or permission of the instructor.

**ENGL 2443 Introduction to Screenwriting**

A practical study of the techniques of writing for film and television, with particular emphasis on the development of individual voice. Students will learn to identify specific rhetorical devices professional screenwriters employ and apply those techniques to their own original scripts. Prerequisites: ENGL 1113, Composition I, and ENGL 2413, Introduction to Creative Writing, or permission of the instructor.

**ENGL 2450 Supervised Study in Language Arts**

This course involves a one-on-one discussion and study with a language arts instructor to meet a student's specific language arts need.

**ENGL 2453 Writing Creative Nonfiction**

A practical study of the techniques of contemporary nonfiction, with particular emphasis on the development of individual voice. Students will learn to identify specific rhetorical devices professional writers employ, and apply those techniques to their own original works of nonfiction. Prerequisites: ENGL 1113, Composition I, and ENGL 2413, Introduction to Creative Writing, or permission of the instructor.

## Pre-Engineering

**ENGR 2111 Engineering Mechanics I**

Laboratory experience, which serves to combine the elements of theory and practice using open-ended problems and engineering design. Problem solving methods used in the study of Statics, and the application of computers for technical calculations, problem solving, data acquisition and processing. Prerequisite: Concurrent enrollment in ENGR 2113 Statics.

**ENGR 2113 Statics**

Topics include: resultants of force systems, static equilibrium of rigid bodies, statics of structures, distributed forces, centroids, internal forces, friction and moment of inertia. Shear and moment diagrams. Prerequisites: PHYS 2014 Engineering Physics I and MATH 2145 Calculus I. Concurrent enrollment in ENGR 2111 is required. *Offered spring semester only.*

**ENGR 2121 Engineering Mechanics II**

Laboratory experience, which serves to combine the elements of theory and practice using open-ended problems and engineering design. Problem solving methods used in the study of Dynamics, and the application of computers for technical calculations, problem solving, data acquisition and processing. Prerequisite: Concurrent enrollment in ENGR 2123 Dynamics.

**ENGR 2123 Dynamics**

Analyzing the kinematics and kinetics of particles, systems of particles and rigid bodies from a Newtonian viewpoint utilizing vector algebra and calculus. Also analyzing situations using the work-energy and impulse-momentum principles. Prerequisite: ENGR 2113 Statics.

**ENGR 2433 Thermodynamics**

The solving of problems related to the study of the first and second laws of thermodynamics, ideal gases: mixture of ideal gases; and heat pump, vapor and gas-powered systems and refrigeration cycles. Use of algebra and calculus to solve equations of state. Prerequisites: CHEM 1314, General Chemistry I, and PHYS 2014, Engineering Physics I. Enrollment in a one credit hour lab is also required. *Offered fall semester only.*



### **ENGR 2533 Electrical Systems**

Topics include electrical circuit components: AC and DC circuit analysis; mesh and nodal formulation of network equations; transient and steady state response to sinusoidal and step sources; Ohm's and Kirchoff's Laws; Thevenin and Norton circuits; source transformations; energy, power, Laplace Transform and matrix representations.

## **Geography**

### **GEOG 2243 Fundamentals of Geography**

This introductory course addresses five fundamental themes in geography: location, place, relationships within place, migration and regions. Because geography knowledge is important to an understanding of important national and international problems addressed in the daily news, current events will be included in this class.

### **GEOG 2253 World Regional Geography**

A regional study of the world with emphasis on socioeconomic, cultural and environmental conditions found within each region. Additional topics will cover landscape-culture, political and historical events necessary to better understand each region. Maps and vocabulary are an essential part of this class.

## **Geology**

### **GEOL 1114 Physical Geology**

The study of the physical systems of earth including mountain building, plate tectonics, volcanism, earthquakes, seafloor spreading, erosion and deposition. Laboratory emphasis is on the study of rocks, minerals, geological and topographical map reading and the usage of standard geological equipment. (Meets general education Physical Science requirement.)

### **GEOL 1124 Historical Geology**

The study of the earth's fossil record as found in the geological strata and rock record of the planet. Focus will be placed on the understanding of relative and radiological dating methods, the study of ancient environments and the latest theories from the fields of paleontology. Laboratory work includes fossil identification and study of the time scale.

## **Global Studies**

### **GLBL 2001: Introduction to Study Abroad**

This course is designed to address issues of travel and study abroad to enable students to get the most out of their international experience. Students will gain insight on various travel and study abroad resources that are available, current issues related to student travel, and will research specific information on the country or region relevant to their travels. Prerequisite: instructor permission and enrollment in a NOC study abroad program. (typically offered in an 8-week format)

### **GLBL 2113: Global Studies in Humanities**

A faculty-supervised studies course involving a student researching a particular country or region's cultural fields such as literature, music, arts, anthropology, religion, and/or historical and philosophical ideals. Prerequisite: instructor permission (Meets requirement for humanities elective and International dimension)

### **GLBL 2123: Global Culture and Society**

A faculty-supervised studies course involving a student researching a specific cultural field in a particular country or region. Students may examine cultural fields such as literature, music, visual and performing arts, anthropology, religion, language, history, and philosophy. Prerequisite: instructor permission (Meets requirement for humanities elective and International Dimension)

### **GLBL 2133 Introduction to International Business Cultures**

An introduction to the issues related to cross-cultural business practices. Students will examine all or several of the following areas of a specific country or region: intercultural communications and behavior, globalization, global business environments, historic or ideological impacts on business, and the influence of culture in the arena of global business. (Study abroad course requires instructor permission. Meets requirement for humanities elective and International dimension)

### **GLBL 2143: Introduction to Global Political Issues**

A faculty-supervised studies course that will focus on various contemporary global political issues and their historical roots. Students will also examine key international organizations, institutions, and other actors as they relate to global political issues related to a specific country or region. Prerequisite: instructor permission (Meets requirement for International dimension)

## **Health and Physical Education- Activity**

### **HPEA 1121 Body Mechanics**

Theory and practice of aerobic and weight training activities with learning experiences designed to promote fitness assessment strategies with focus on diet, weight management, stress and other nutrition and health issues.

### **HPEA 1221 Weight Training**

Instruction and participation in the use of free weights and various weight machines for the purpose of developing muscular strength and endurance.

### **HPEA 1231 Advanced Strength Training & Conditioning**

This course will cover the essential principles of strength training and conditioning. It will also include instruction, demonstration and practical experience with free weights and various weight machines. Instructor permission only.

### **HPEA 1251 Team Sports I**

The fundamental skills, team play, game strategy, rules and history of flag football and volleyball.

### **HPEA 1281 Team Sports II**

Fundamental skills, team play, game strategy, rules and history of softball and basketball.

### **HPEA 1361 Individual Sports I**

Fundamental skills, game strategy and rules of racquetball.

### **HPEA 1371 Individual Sports II**

Brief history of each of the games is followed by instruction and practice in the fundamental techniques of badminton and aerial tennis.

### **HPEA 1401 Beginning Swimming**

For non-swimmers. Adjustment to water, float, tread, standing dive and elementary lifesaving skills. Basic strokes: elementary back, American crawl, sidestroke, back crawl and breast stroke.

### **HPEA 1411 Intermediate Swimming**

Review of beginning strokes and skills. Additional skills: surface dives, turns, underwater swimming and lifesaving assists. Additional strokes: overarm side, inverted breast and trudgens.

### **HPEA 1421 Life Guard Training**

Senior lifesaving. Leads to the Red Cross life saving certificate. For swimmers who can swim 100 yards demonstrating the following fundamental strokes: elementary back stroke, crawl, side and breast stroke.

### **HPEA 1431 Water Safety Instruction**

Lecture, demonstration, and practice in nine styles of swimming, diving, and lifesaving skills, as well as skill and knowledge in class organization and teaching techniques. Prerequisite: Hold a current American Red Cross Lifesaving Certificate.

### **HPEA 1441 Swimming Fitness & Water Exercise**

A course designed to promote cardiovascular fitness, muscular strength and endurance, and flexibility through participation in rhythmic water exercise.

### **HPEA 1511 Cheerleading**

Credit given for a full semester of participation in cheerleading and/or pom poms.

### **HPEA 1521 Outdoor Recreation**

### **HPEA 1531 Introduction to Self Defense**

### **HPEA 1541 Karate**

### **HPEA 1551 Physical Fitness**

Will provide improvement of muscular strength and endurance in the major muscle groups of the body through progressive resistive exercise. Emphasizing development of cardiovascular fitness.

### **HPEA 1561 Yoga**

### **HPEA 2021 Beginning Golf**

Development of fundamental skills and study of rules; history, general rules and specific rules of match and stroke play with an analysis of fundamentals; practice in techniques of pitching, driving and putting.

### **HPEA 2031 Beginning Bowling**

The fundamental skills of bowling instruction in stance, approach, delivery, aiming and follow through. Practice in etiquette, scoring terminology and forms of competition.

### **HPEA 2220 Lifetime Sports**

An introduction to various recreational type sports that will have lifetime value.

### **HPEA 2221 Intermediate Golf**

Review of beginning skills; practice in putting, chipping, iron play and woods; detailed study of rules and etiquette; strategies of identifying and managing Golf Course Challenges. Prerequisite: HPEA 2021 Beginning Golf or equivalent knowledge of grip, stance, alignment and swing.

### **HPEA 2281 Beginning Tennis**

Development of fundamental skills of tennis and study of the rules and strategy; history, rules and scoring with an analysis of fundamentals; practice in techniques of serving, forehand and back-hand strokes, lobbing and court positioning, including that of doubles play.

#### **HPEA 2381 Cardio Circuit Fitness**

Types of stretching exercises and when to use them; weight training; aerobics endurance training; step aerobics; water aerobics; production of positive changes in heart, blood vessels and lungs.

#### **HPEA 2382 Scuba**

An entry-level certification course that requires approximately 32 hours of instruction. In order to earn SCUBA certification, you will participate in classroom sessions and practice essential diving skills in a pool. The final test will include a written exam and an open water dive. Upon completion, you will receive a YMCA recreational level certification card that identifies you as a trained SCUBA diver, allowing you to purchase and rent SCUBA equipment, participate in advanced training and explore the other 70% of the world. Prerequisites: Students must be able to swim and tread water per YMCA guidelines.

#### **HPEA 2451 Western Swing Dance**

Fundamental skills in line dances, couple dances, two step, shuffle, waltz and swing.

#### **HPEA 2461 Square Dancing**

## **Health and Physical Education Theory**

#### **HPET 1113 Nutrition**

Course designed to introduce students to the basics of good nutrition. Emphasis will be placed on the five food groups, the six nutrients and food related disorders. Students will learn how to eat a healthy diet based on their personal needs.

#### **HPET 1132 Sports Officiating**

Game administration and fundamental principles, rules, mechanics and techniques of officiating fall semester sports: football, volleyball and basketball. Laboratory work in the intramural program will be required.

#### **HPET 1142 Sport Officiating II**

Game administration and fundamental principles, rules, mechanics and techniques of officiating spring semester sports: basketball, baseball and softball. Laboratory work in the intramural program will be required.

#### **HPET 1223 Health Education and Wellness**

A course directed toward the acquisition of knowledge and appreciation concerning health for effective living.

#### **HPET 1232 Personal Training Practicum I**

Students will observe and discuss personal training techniques used in various workout settings to enhance performance. Twenty five hours of observation required. *Offered fall semester only.*

#### **HPET 1233 Intro to Personal Training I**

This course is designed to introduce the field of personal training. It will introduce coursework relevant to personal training, such as screening and evaluating clients for safe participation, exercise prescription and other personal training topics. *Offered fall semester only.*

#### **HPET 1242 Personal Training Practicum II**

Students will apply personal training techniques with various active populations of society. They will continue to discuss personal training techniques used in various workout realms. Seventy five hours of observation required. *Offered spring semester only.*

#### **HPET 1243 Intro to Personal Training II**

This course is designed to bridge the gap between clinical exercise science-related coursework and the practical application skills of personal training. A Certified Personal Trainer (CPT) credential\* is available through the National Council on Strength and Fitness (NCSF) upon completion of the course. *Offered spring semester only.* \*Upon successful passing of the National Council on Strength and Fitness Certified Personal Trainer (CPT) Exam, students will have earned the title of NCSF-CPT. Sitting for the exam is optional.

#### **HPET 1950 Physical Education Field Experience**

HPE&R majors will be required one semester of work assignments within the department and under the supervision of a faculty member. They will help in setting up and running athletic contests, assisting in swimming pool and fitness center operations and work in various classes.

#### **HPET 1952 Introduction to HPE&R**

A study of the field of physical education/health concerning its foundational principles, aims, objectives, contributions, future, directions, problems, vocational opportunities and career possibilities. *Offered fall semester only.*

#### **HPET 2052 Introduction to Coaching**

A course designed to give students an early exposure to the coaching field; a study of the different theories, philosophies and problems encountered in coaching. *Offered spring semester only.*

#### **HPET 2212 First Aid**

This course provides knowledge and practical experience in the emergency care of injuries and sudden illness, including cardiopulmonary resuscitation. CPR certification is available to the student through the course.

**HPET 2382 Athletic Training Practicum I**

Students will observe injury evaluation, the use of therapeutic modalities, prophylactic taping and rehabilitation techniques used by Athletic Trainers to enhance performance. *Offered fall semester only.*

**HPET 2450 Supervised Study in HPE&R**

Independent Study, only for HPE&R majors.

**HPET 2482 Athletic Training Practicum II**

Students will apply therapeutic modalities, prophylactic taping, and rehabilitation techniques to athletes. Furthermore, they will continue observing the evaluation of athletic injuries. *Offered spring semester only.*

**HPET 2633 Care & Prevention of Athletic Injuries**

A general introduction to different forms of therapy in treatment of athletic injuries—care, treatment and prevention.

## Health and Physical Education- Varsity Sports

**HPEV 2211 Women's Varsity Basketball**

Credit for a full semester participation in varsity basketball.

**HPEV 2231 Women's Varsity Volleyball**

Credit for a full semester participation in varsity volleyball.

**HPEV 2241 Men's Varsity Basketball**

Credit for a full semester participation in varsity basketball.

**HPEV 2251 Men's Varsity Baseball**

Credit for a full semester participation in varsity baseball.

**HPEV 2261 Women's Varsity Softball**

Credit for a full semester participation in varsity softball.

**HPEV 2271 Women's Varsity Soccer**

Credit for a full semester participation in varsity soccer.

**HPEV 2291 Men's Varsity Soccer**

Credit for a full semester participation in varsity soccer.

## Health Studies

**HLST 1113 Medical Terminology**

This course will introduce students to Latin and Greek base terminology used in the fields of medicine and health care.

Students will learn a word-building system with specific emphasis on root words, prefixes, suffixes and abbreviations used in defining, spelling and pronouncing medical terms. This course is intended for students whose degree is in the medical field. It is recommended that students take this class prior to Anatomy or Physiology.

## History

**HIST 1113 History of Ancient World Civilization**

The course focuses on the history of the ancient civilizations of the world. Included is an overview of the historical development of politics, religion and society in civilizations that existed prior to 1500. The course provides a frame of reference with which to comprehend the principal events and eras in World history. (Meets requirement for humanities elective and designation for International dimension.)

**HIST 1223 History of Modern World Civilization**

The course focuses on the history of the modern civilizations of the world. Included is an overview of the historical development of politics, religion and society in the civilizations that have existed since 1500. The course provides a frame of reference with which to comprehend the principal events and eras in World history. (Meets requirement for humanities elective and designation for International dimension.)

**HIST 1483 American History to 1877**

An introductory survey spanning discovery of the new world, colonization, national development and concluding with the Reconstruction era.

**HIST 1493 American History Since 1877**

A general survey of the key individuals and many social, economic and political developments that have influenced and molded the nation from the end of the Reconstruction era to the present.

**HIST 1713 History of Eastern Civilization**

This course covers the history of the major regions of eastern civilizations including East Asia, South Asia, West Asia, and Africa. From pre-history to approximately 1700 A.D. the origins, development and evolution of these civilizations will be discussed. (Meets requirement for humanities elective and designation for International dimension.)

**HIST 2113 History of Latin American Civilization**

This course will study the development of the native populations of Latin America prior to and through the colonization process into modernity. The unique cultures of the people evident in traditions and art forms will be studied through the historical, political, economic, and anthropological perspectives. (Meets requirement for humanities elective and designation for International dimension.)

#### **HIST 2213 History of Native American Civilization**

The course is a study of the historical development of Native American civilization with emphasis upon the art, music, literature, religion, law, and way of life of the Native American society. [Formerly ANTH 2363 Native American Culture] (Meets requirement for humanities elective)

#### **HIST 2323 Oklahoma History**

A regional historical approach dealing with Oklahoma from the earliest time of European exploration to the present. Topics include the establishment of Indian Territory, allotments and homesteads, biographical studies, contemporary politics and an introduction to historical literature.

#### **HIST 2421 Conspiracy Thought in American Politics (H\*)**

This course will examine conspiracy ideas which have manifested from the American Revolution, the Civil War and the assassinations of President John Kennedy and Martin Luther King. The seminar will examine the impact these and other conspiracy theories have made on the relationship between the people of the United States and their government.

\*Note: Up to 3 1-hour designated humanities seminars can be taken to meet the 2<sup>nd</sup> requirement for humanities elective, in addition to a course designated as International.

#### **HIST 2431 World Environmental History**

World Environmental History is designed to enrich the student's understanding of environmental changes throughout history. The course begins with a description of the world as it existed at the end of the last ice age and chronologically comes forward to the present day. Topics included are the desertification of North Africa, the rising level of the Black Sea, the disappearance of the Aral Sea, the Dust Bowl of North America, the man-created disasters of Chernobyl, Three Mile Island, Love Canal and the controversy of global warming.

#### **HIST 2450 Supervised Study in History**

Independent study.

## **Humanities**

#### **HUMN 1133 World Religions**

This course covers a study of the major religions of the world such as Hinduism, Buddhism, Confucianism, Taoism, Judaism, Christianity and Islam with a view to understand the general beliefs and history of each religion. Prerequisite: ENGL 1113 English Composition I or equivalent. (Meets requirement for humanities elective and designation for International dimension.)

#### **HUMN 2103: Introduction to American Studies** (currently offered at OSU as AMST 2103)

Interdisciplinary study of American civilization through case studies of American cultural groups and perceptions in order to understand the multiple roles of culture in American life. It will also investigate concepts of American cultural diffusion including: Americanization, McDonaldization, sports, entertainment, and politics. (Meets requirement for OSU Diversity dimension)

#### **HUMN 2113 Humanities-Ancient Arts and Culture**

This course involves the study of literature, the graphic arts and music in relation to the historical and philosophical settings of ancient and medieval periods from a global perspective. Prerequisite: ENGL 1113 English Composition I or equivalent. (Meets requirement for humanities elective and designation for International dimension.)

#### **HUMN 2223 Humanities-Modern Arts and Culture**

This course involves the study of literature, the graphic arts and music in relation to the historical and philosophical settings. Covers the period from the end of the European Middle Ages to the present from a global perspective. Prerequisite: ENGL 1113 English Composition I or equivalent. (Meets requirement for humanities elective and designation for International dimension.)

#### **HUMN 2450 Supervised Study in Humanities**

This course involves a one-on-one discussion and study with a humanities instructor to meet a student's specific humanities need.

#### **HUMN 2550 Humanities Studies Abroad**

(Meets requirement for humanities elective and designation for International dimension)



# Journalism

## **JOUR 1013 Introduction to Mass Communications**

This is a survey course emphasizing communication theory, mass media history and ethics, and the operation and structure of the American communication system.

## **JOUR 1111 Introduction to Digital Photography**

This course is designed to introduce the student to digital imaging and Adobe® Photoshop®. Digital imaging and output will be discussed. Exercises to practice the basic image editing features of the software will be given.

## **JOUR 1113 Writing for Mass Media**

The course will cover the basic skills and terminology associated with the broadcast journalism profession. The student will learn to gather, record, edit and broadcast information for a produced newscast. An emphasis will be placed on the difference between print and broadcast journalistic style.

## **JOUR 1123 News Reporting & Writing**

Fundamentals of news reporting skills with emphasis on developing a broad range of skills in writing in specialized areas including interviewing techniques, beat reporting, court reporting, alternatives to the inverted pyramid, sports reporting, investigative writing, editorial writing, newspaper ethics and media law. Prerequisite: Writing for Mass Media (JOUR 1113).

## **JOUR 1131 Beginning Black & White Darkroom**

Students will develop Black and White film and print their own black and white photographs in this lab. Students will study basic developing techniques for film and polycontrast printing technique for making black and white enlargements. Students will learn printing techniques of dodging and burning as well as more advanced controls and techniques. Recommended for those taking JOUR 1133; required component of JOUR 1133 for Photography and Digital Imaging majors.

## **JOUR 1133 Beginning Photography**

Basic photographic techniques and digital applications. A study of the fundamentals of photography for the beginning student or hobbyist interested in gaining a familiarization of basic concepts. The class will study the controls found on adjustable cameras, basic photographic techniques, composition, available light and flash photography, black & white and color images, and basic digital photography workflow.

## **JOUR 1143 Graphics and Video Production**

Graphics and Video Production is a required course for the Multimedia Digital Communications Program. The purpose of this course is to prepare students to produce state of the art video presentations. Students will learn to create and edit analog and digital presentations using PowerPoint, the Internet and other visual mediums generated via computer. These productions include text, graphics, video and audio clips.

## **JOUR 1223 Design Technology**

This is a basic study and examination of the integration of text, graphics, and other media for digital imaging, page layout, and web design. Computer laboratory assignments will direct the student in image capture, image modification and manipulation, page layout, web application, and output to other computer applications, printers, and storage devices. Prerequisite: CS 1113 Computer Concepts, concurrent enrollment, or permission of the instructor.

## **JOUR 2013 Principles of Advertising**

Survey of advertising industry, media functions, careers in advertising, social and economic aspects, budgets, appropriations, rate structures, terminology, basic elements and purposes of advertising.

## **JOUR 2023 Photojournalism**

The application of photography for journalistic coverage of feature, news, and public relations needs. Students will examine various styles, digital imaging, and ethics.

## **JOUR 2033 Principles of Public Relations**

This introductory course provides a general overview of the theories and practices of public relations, including its historical development as a discipline, its international nature, and its current role in law, ethics, and globalized communication for both organizations and society.

## **JOUR 2043 Light and Lighting**

This is a foundation course designed to prepare students in skills that deal with light and lighting and studio work. Students will study light theory, lighting equipment, exposure, film, composition and picture-taking techniques. Students will practice available lighting with reflectors, lighting with small single and multiple strobe units and studio lighting equipment. Prerequisite: JOUR 1133 Beginning Photography and concurrent enrollment in JOUR 2133 Intermediate Photography is recommended.

## **JOUR 2101 Independent Photographic Darkroom**

Students who wish to have more practice in the darkroom may sign up for an additional lab period. This will be independent lab with objectives and projects coordinated with the instructor.

## **JOUR 2113 Digital Imaging**

This course offers a basic study of digital imaging and image editing for presentation and photographic applications. The course examines the primary areas and uses of photographic digital imaging. Computer laboratory assignments will

direct the student in image capture, image modification and manipulation, and output to computer applications, printers, and storage devices. Prerequisite: CS 1113 Computer Concepts or concurrent enrollment; JOUR 1133 Beginning Photography is recommended but not required.

### **JOUR 2133 Intermediate Photography**

This is a continuation of JOUR 1133 Basic Photography. Students will advance their skills in black and white and begin developing photographs in color. The class will place an emphasis on composition. Students will identify specific genres of photography in which they are interested, evaluate occupational and advanced skills and begin building a portfolio.

Prerequisite: Beginning Photography (JOUR 1133). A lab is required with this course.

### **JOUR 2143 Advanced Photography**

Students will study advanced photographic theory, composition and presentation. Various topics, such as, the zone system, color theory and visual psychology will be discussed. Students will continue to work on their portfolio.

Prerequisite: Intermediate Photography (JOUR 2133) A lab is required with this course.

### **JOUR 2213 Photographic Studio Practice**

This is a continuation of JOUR 2043 Light and Lighting. This course will further prepare students to work in a studio environment. Topics will include advanced studio lighting for portraits, outdoor and environmental portraiture, wedding photography and commercial lighting applications. Pre-requisite: JOUR 2043 Light and Lighting.

### **JOUR 2223 Broadcast Journalism**

Basic skills and terminology of broadcast journalism. Gathering, recording, editing and casting of news material for on-air use are explored. Special emphasis on differences between print and broadcast journalistic style.

### **JOUR 2240 Multimedia Practicum**

Fundamentals of layout and design as used in a magazine and newspaper approaches are applied to the student newspaper and yearbook in the desktop publishing environment with practical skills in writing, advertising, photography and editing.

### **JOUR 2283 Industry Issues**

This is a seminar course dealing with current topics affecting the field of photography and digital imaging. Students will be expected to identify the specific area of photography in which each wants to work. Students will make short and long range goals, prepare a resume, make industry contacts, perform job searches, study interview skills and study the basics of running a photography business. Students will finalize their student portfolio. They will attend relevant industry conferences and visit current working photographers and industry related businesses. Prerequisite: Students should be in the final semester of the Photography and Digital Imaging major.

### **JOUR 2313 Advanced Digital Imaging**

This course is an advanced study of digital imaging, image editing and manipulation. Emphasis will be placed on graphics and digital images for photographic applications. Students will be encouraged to take the Adobe® Certified Expert examination for Photoshop® but it will not be required. Prerequisite: JOUR 2113 Digital Imaging .

### **JOUR 2401 Action Photography Seminar**

The principles of sports and action photography are discussed and practiced. The use of the shutter for freezing action, blurring action and panning are the basic controls that are studied. The use of various lenses and equipment is considered. *Offered fall semester, odd years.*

### **JOUR 2411 Flash Photography**

The use of electronic flash or strobe lighting is the objective of this course. The principles of flash exposure, the inverse square law of light, guide numbers and power ratings are discussed. Experiments with multiple flash and painting with flash are demonstrated. *Offered spring semester, even years.*

### **JOUR 2421 Available Light Photography**

This is a study of the basics of exposure especially as it relates to unusual lighting situations especially night photography. The use of various films, reciprocity failure and development techniques will be discussed. Students will practice taking photographs in unusual lighting situations. *Offered spring semester, even years.*

### **JOUR 2431 Photographic Creativity Seminar**

This seminar will study the theory of creativity as it relates to photography. Topics will include sources of creativity, how to become more creative and right brain/left brain approaches to art and photography. The class will review the basics of composition. *Offered spring semester, odd years.*

### **JOUR 2441 Photography Trip Seminar**

Students will help plan and execute a trip. The students will study landscape and travel photography as well as the culture of the area visited. Students will plan photographic opportunities and preparations needed and prepare a presentation following the trip. *Offered fall semesters.*

### **JOUR 2450 Supervised Study in Journalism**

This class is an independent study agreement between the instructor and student. The requirements will be developed and supervised by the instructor.

### **JOUR 2451 Wedding Photography**

This course will study the basic approaches to wedding photography from the traditional approach to a photojournalism style. The unique photographic problems of wedding photography and the equipment needed will be discussed. Students

will practice posing and photographing the bride and groom, groups and candid photos. Prerequisite: JOUR 1133 Beginning Photography is recommended. *Offered fall semester, even years.*

#### **JOUR 2460 Internship in Journalism**

This is an internship agreement between the student, instructor and media supervisor to allow the individual student to gain practical experience in the daily operations of the participating media facility.

#### **JOUR 2461 Environmental Portraiture**

The focus of this seminar is on portraiture outdoors and on location as opposed to a studio environment. Students will study the basics of portrait lighting, posing and exposure technique as each relates to environmental portraits. Equipment needs of advanced amateur and professional level work will be discussed. *Traditionally offered only in the fall semesters, even years.*

#### **JOUR 2463 Internship in Photography**

This is an internship agreement between the student, instructor and owner/manager of a photographic studio. The student will be expected to participate in 150 hours of work supervised experience with an established photographer/studio.

Prerequisite: Permission of instructor and second year in major.

#### **JOUR 2493 Landscape and Fine Art Photography**

The principles of landscape photography and composition will be discussed. The class will study exposure, film selection, format and lenses and equipment. This will be offered in conjunction with a trip to locations that vary each summer. The trip is not required but is an integral part of the experience. The instructor will arrange the trip which will incur an additional cost. Prerequisite: Beginning Photography (JOUR 1133) is recommended but not required. *Offered summer semester.*

## **Foreign Languages**

#### **LANG 1114 or 1125 Elementary Spanish I**

Pronunciation, elements of grammar, easy readings, conversation and composition. Courses (LANG 1114 and 1224) are not for students having had two years of Spanish in high school.

#### **LANG 1115 Elementary French I**

Pronunciation, conversation, grammar, reading. Offered on sufficient demand.

#### **LANG 1213 American Sign Language**

This course is an introduction to American Sign Language (ASL) and the deaf culture. It addresses signs and elements of grammar associated with ASL building the receptive and expressive skills necessary to communicate basic vocabulary and simple phrases used in everyday life. Prerequisites: There are no prerequisites.

#### **LANG 1225 Elementary French II**

A continuation of Elementary French I with increased classroom dialogue in French.

#### **LANG 1224 or 1235 Elementary Spanish II**

Listening and responding skills are emphasized along with grammar, geography and culture. Prerequisite: 4 or 5 hours Spanish. Offered on sufficient demand.

#### **LANG 2113 Intermediate French I**

Offered on sufficient demand. Prerequisite: Elementary French II (LANG 1225) or equivalent.

#### **LANG 2123 Intermediate Spanish I**

Offered on sufficient demand. Prerequisite: Elementary Spanish II (LANG 1224) or equivalent.

#### **LANG 2152 Spanish Pronunciation**

Rules and proper pronunciation are studied and practiced. Prerequisite: 8 hours Spanish or equivalent. Offered on sufficient demand.

#### **LANG 2183 Spanish Composition and Conversation/Reading**

Written and oral communication skills are developed. Prerequisite: 8 hours Spanish or equivalent. Offered on sufficient demand.

#### **LANG 2193 Spanish Composition/Grammar**

Grammatical structure is analyzed with special emphasis placed on the complexities of the verb system. Prerequisite: 8 hours Spanish or equivalent. Offered on sufficient demand.

#### **LANG 2223 Intermediate French II**

Offered on sufficient demand. Prerequisite: Intermediate French I (LANG 2113) or equivalent.

#### **LANG 2233 Intermediate Spanish II**

Offered on sufficient demand. Prerequisite: Intermediate Spanish I (LANG 2123) or equivalent.

## **Leadership**

#### **LEAD 1331 Lessons in Leadership**

An introduction to leadership to promote the growth and development of student leaders through implementation of campus pride projects and leadership team service projects.

### **LEAD 2313 Inclusion Leadership**

A year-long leadership and mentoring program for college sophomores and high school seniors focusing on inclusion and diversity in a global society utilizing technology.

### **PRDV 2321 Professional Development**

Professional Development is designed to assist students in the transition from college to their career. To be effective in a career and in life depends on preparation, attitude, hard work, personal qualities, and the right strategies. This course focuses on practical tips and strategies that will help students succeed in the work environment. Emphasis will be on time management / organizational skills; resume development posting; interview, communication, and presentation skills; dressing for success and first impression management; and etiquette.

## **Literature**

### **LIT 2113 Survey of World Literature Before 1650**

Reading, writing, and discussion of selected major writers from ancient and classical times to the beginnings of the European Enlightenment. Prerequisites: English Composition I (ENGL 1113) or equivalent. (Meets requirement for humanities elective and designation for International dimension)

### **LIT 2223 Survey of World Literature Since 1650**

Reading, writing, and discussion of selected major writers from the European Enlightenment to the present.

Prerequisites: English Composition I (ENGL 1113) or equivalent. (Meets requirement for humanities elective and designation for International dimension.)

### **LIT 2413 Introduction to Literature**

A critical introduction to the major genres of English, American, and world literature—fiction, poetry, and drama. (Meets requirement for humanities elective.)

### **LIT 2543 Survey of British Literature to 1800**

Reading, writing, and discussion of selected works of major British and Irish authors from the beginning to the Romantic Period. Prerequisite: English Composition I (ENGL 1113). (Meets requirement for humanities elective.) *Offered spring semester only.*

### **LIT 2653 Survey of British Literature from 1800 to the present**

Reading, writing, and discussion of selected works of major British and Irish authors from the Romantic Period to the present. Prerequisite: English Composition I (ENGL 1113). (Meets requirement for humanities elective.) *Offered fall semester only.*

### **LIT 2773 Survey of American Literature to 1877**

Reading, writing, and discussion of selected major writers from Bradford to Whitman. Prerequisite: English Composition I (ENGL 1113). (Meets requirement for humanities elective.) *Offered fall semester only.*

### **LIT 2883 Survey of American Literature from 1877 to the present**

Reading, writing and discussion of selected major writers from Whitman to the contemporaries. Prerequisite: English Composition I (ENGL 1113). (Meets requirement for humanities elective.) *Offered spring semester only.*

## **Mathematics**

### **MATH 0003 Pre-Algebra**

Designed as a three-hour course to place an emphasis on arithmetic skills needed for success in algebra (addition, subtraction, multiplication, division). Rules for operations on signed numbers, concepts of integers, fractions, decimals and percents will be studied. Simple equation solving and formula manipulations are also included. This course meets the deficiency requirements for students who do not meet entrance requirements by either high school course work or test scores.

### **MATH 0021 Supplement to Math Applications**

This course is intended for supplemental instruction for Math Applications over topics covered in Concepts of Algebra. The topics covered may include solving equations, using formulas, graphing, working with exponents, as well as other topics of concern that may arise. Students must be enrolled concurrently in a Math Applications class. **Prerequisite:** 15/16 ACT.

### **MATH 0023 Concepts of Algebra**

Previous study in algebra is not assumed. The topics studied will prepare a foundation to study intermediate algebra before taking college algebra. The topics covered are linear equations, laws of exponents, polynomials, factoring, factoring applications, graphing, story problems, and substituting data into formulas. A comprehensive review of arithmetic procedures is incorporated throughout the course. This course meets the deficiency requirements for students who do not meet entrance requirements by either high school course work or equivalent placement scores.

Prerequisite: "C" or better in MATH 0003 Pre-Algebra or equivalent placement scores.

### **MATH 0031 Supplement to Math Functions**

This course is intended for supplemental instruction for Math Functions over topics covered in concepts of Algebra. The topics may include solving equations, using formulas, graphing, working with exponents, as well as other topics of concern that may arise. Students with 0-18 ACT qualify for this course.

#### **MATH 0122 Supplement to College Algebra**

Designed to provide supplemental instruction for College Algebra on topics covered in Intermediate Algebra. Extra practice on factoring, solving quadratics, graphing, working with radical and rational expressions, in addition to other topics from College Algebra that may require attention. Students must be enrolled concurrently in a College Algebra class. Prerequisite: "C" or better in MATH 0023 Concepts of Algebra or ACT 17/18.

#### **MATH 0123 Intermediate Algebra**

Designed to provide in-depth applications of algebra necessary to complete college-level mathematics. Intermediate Algebra includes topics such as factoring, rational expressions, simplifying radical expressions, quadratic equations and graphing linear equations in two variables. This course meets the deficiency requirements for students who do not meet entrance requirements by either high school course work or equivalent placement scores. Prerequisite: "C" or better in MATH 0023 Concepts of Algebra or equivalent placement scores.

#### **MATH 1104 Technical Math-Algebra/Trigonometry**

A course designed for those students entering the electronics field. Students will study algebraic fractions, fractional equations, graphs, simultaneous equations, determinants, exponents and radicals, quadratic equations, network amplification, angles, phasor algebra and logarithms. In addition, this course involves the study of right angles, trigonometric functions, trigonometric tables, trigonometric identities and equations and applied trigonometry to electronic problem solving.

#### **MATH 1133 Technical Math**

A course designed for students entering technical fields. Topics to be included are fundamental concepts of basic mathematics, the metric system and conversions, algebra equations and formulas, graphing, exponents and logarithms, geometry and trigonometry, and statistics. Prerequisite: "C" or better in MATH0023 Concepts of Algebra or appropriate placement score. *Offered fall semester only.*

#### **MATH 1233 Probability and Statistics**

This course is an introduction to statics, probability and data interpretation for non-mathematics majors. Topics include the following: Organizing data, measures of central tendency, variation, and position, the normal distribution, counting techniques, basic probability, data interpretation, and real work application. This course was specifically designed for Pre-Education majors and will satisfy one of the math requirements for pre-education majors (elementary education, special education, early childhood education). This is not a replacement for Elementary Statistics. Prerequisite: MATH 1493 Math Applications

#### **MATH 1483 Math Functions**

This course is designed to analyze functions using equations, graphs, and tables from the viewpoint of rates of change. It explores linear, exponential, logarithmic, and other functions with applications to the natural sciences, agriculture, business, and the social sciences. Not appropriate for students in math, science, or engineering majors. Prerequisite: MATH 0023 Concepts of Algebra or equivalent placement scores.

#### **MATH 1493 Mathematical Applications**

A college level math course that fulfills the general education requirement. This course is intended for students who are not destined for an engineering-oriented, science-oriented or business-oriented calculus course. The topics covered will include but not be limited to statistical topics, application of loans, application of percent, compound and simple interest, APR, geometric topics, and credit card fee methods. Application to natural sciences, business, economics and social sciences will be explored. This is a terminal mathematics course and will not be used as a prerequisite to any other mathematics course, but will fulfill the general education math requirement. Prerequisite: "C" or better in MATH 0023 Concepts of Algebra or equivalent placement scores.

#### **MATH 1513 College Algebra**

This course includes advanced topics in solving and graphing equations and inequalities, quadratics, polynomial and rational functions, theory of equations, systems of equations, matrices and determinants, logarithmic and exponential functions. Applications of these topics will include, but are not limited to, exponential growth and decay, compound and continuous interest, variation, work and rate problems. Prerequisite: "C" or better in MATH 0123 Intermediate Algebra or equivalent placement scores.

#### **MATH 1613 Plane Trigonometry**

This course includes topics in trigonometric identities, functions, graphs of trig functions, solutions of trigonometric equations, applications with right triangles, laws of sines and cosines, vectors and application of vectors, polar coordinates, graphs, application to sciences and allied subjects. The content emphasis is pre-calculus. Prerequisite: "C" or better in MATH 1513 College Algebra.

#### **MATH 1715 College Algebra & Trigonometry**

This course includes advanced topics in solving and graphing equations and inequalities, quadratics, polynomial and rational functions, theory of equations, geometric sequences and summations; trigonometric equations, applications with right triangles, laws of sines and cosines, vectors, polar coordinates, and graphics. Applications of these topics will



include, but are not limited to, exponential growth and decay, compound and continuous interest, variation, work and rate problems, vectors, various sciences and allied subjects. Prerequisite: "C" or better in MATH 0123 Intermediate Algebra or equivalent placement scores.

### **MATH 2023 Elementary Statistics**

This course includes the following topics: descriptive measures, probability, sampling distributions, estimation and hypotheses testing, regression and correlation. This course is appropriate for business, economics, natural science, health science, social science and education majors. Prerequisite: MATH 1513 College Algebra or MATH 1483 Math Functions. Course will transfer to OSU as STAT 2013 or 2023.

### **MATH 2103 Elementary Calculus**

An introduction to differential and integral calculus, with applications appropriate for students of Business, Economics, Accounting, Natural Sciences and Social Science. Prerequisite: College Algebra (MATH 1513) or MATH 1483 Math Functions.

### **MATH 2145 Calculus I**

The first of a two semester sequence in integrated analytics and calculus. The course includes the following topics: Introductory Analytic Geometry, lines, slopes, circles, functions, limits, indeterminate forms, differentiation of algebraic, trigonometric and other transcendental functions, applications of differentiation, basic integration techniques and applications, advanced integration techniques and improper integrals. Prerequisite: "C" or better in MATH 1513 College Algebra and MATH 1613 Trigonometry or MATH 1715. *Offered spring semester only.*

### **MATH 2155 Calculus II**

The course includes topics of infinite sequences and series, conic sections, polar coordinates, parametric equations, vectors and analytic geometry in two and three dimensions, vector valued functions, functions and calculus of several variables, and multiple integrals. Prerequisite: "C" or better in MATH 2145 Calculus I or equivalent. *Offered fall semester only.*

### **MATH 2233 Elementary Math Structures**

This course is a study of the fundamental structures of mathematics for non-mathematics majors. Topics include the following: critical thinking, problem solving, sets and set theory, number theory, real number operations, basic algebra skill and graphing. This course was specifically designed for Pre-Education and FSCD majors and will satisfy the college level math requirement for pre-education majors (elementary education, special education, early childhood education). FSCD majors can use this course as an approved elective. Prerequisite: MATH 1493 Math Applications

### **MATH 2243 Geometric Structures**

This course is a study of the fundamental structures of geometry for non-mathematics majors. Topics include the following: line and angle relationships, triangles, quadrilaterals, circles, area, volume, and introduction to trigonometry. This course was specifically designed for Pre-Education and will satisfy the college-level math requirement for pre-education majors (elementary education, special education, early childhood education). Prerequisite: MATH 1493 Math Applications

### **MATH 2373 Technical Math-Applied Calculus**

Application is to the field of electronics. This course is a study of functions, average rate of changes, exact rates, limits, derivatives, applied derivatives, differentials, higher derivatives, integrals, applied integrals, logarithmic and exponential functions, Maclaurin's series, Taylor series, Fourier series and Laplace transforms.

### **MATH 2613 Differential Equations**

Basic definitions and techniques of solving differential equations, techniques for solving first and higher order differential equations and their applications, operator methods, Laplace transforms, solution of systems of differential equations. Offered spring semester only. Prerequisite: "C" or better in MATH 2155 Calculus II. *Offered spring semester only.*

## **Music**

### **MUSC 1003 Fundamentals of Music**

The study of musical notation and terminology along with the major and minor modes and intervals. This course is not designed for the advanced student nor the student with the ability to enter the Music Theory course sequence.

### **MUSC 1110 Recital Attendance**

Noncredit activity, required for Music majors.

### **MUSC 1113 Music Appreciation**

A survey of music with emphasis on analysis and perceptive listening from the Baroque through the twentieth century of International musical styles. (Meets requirement for humanities elective and designation for International dimension.)

### **MUSC 1131 Ear Training & Sight Singing I**

The study of basic aural skills in sight singing through the use of Solfege.

### **MUSC 1133 Music Theory I**

The study of the basic rudiments of tonal music, covering major and minor scales, key signatures, intervals, triads and correlated with keyboard skills. Taken concurrently with MUSC 1131 Ear Training & Sight Singing.

### **MUSC 1141 Ear Training & Sight Singing II**

A continuation of MUSC 1131 with the addition of basic melodic dictation and chord identification. Prerequisite: MUSC 1113 Music Appreciation.

**MUSC 1143 Music Theory II**

The continuation of MUSC 1133 with the addition of diatonic harmony through part writing and analysis. Prerequisite: MUSC 1133.

**MUSC 1000 Private Instruction (for Freshmen and Sophomores)**

Credit will vary from 1-4 hours. Private brass, organ, piano, voice, strings, woodwinds, and percussion.

**Applied Instrument Class**

**MUSC 1211 Applied Instrument- Low Brass Class**

**MUSC 1221 Applied Instrument- High Brass Class**

**MUSC 1311 Applied Instrument- Woodwind Class**

**MUSC 1411 Applied Instrument- Percussion Class**

**MUSC 1511 Applied Instrument- Strings Class**

**MUSC 1521 Applied Instrument- Guitar Class**

**MUSC 1513 Music Literature**

The study of the music literature, style and performance practices of the Baroque through the twentieth century period.

Prerequisite: MUSC 1113 Music Appreciation or MUSC 1133 Music Theory I and MUSC 1143 Music Theory II.

(Meets requirement for humanities elective)

**Applied Voice- Class**

**MUSC 1611 Applied Voice Class**

Voice class for non-music majors and instrumental music majors seeking voice lessons. Basic voice pedagogy is applied in this class.

**MUSC 1623 Music Business I**

A series of lectures designed to acquaint students with various aspects of business opportunities as related to the entertainment industry. Such lectures include, but are not limited to, music publishing and recording, resume writing and artist management.

**MUSC 1633 Music Business II**

A continuation of Music Business I. Prerequisite: MUSC 1623 Music Business I.

**Applied Piano- Class**

**MUSC 1711 Applied Piano Class I**

The study of the basic skills of piano technique. Students take this course in conjunction with MUSC 1133 and MUSC 1131.

**MUSC 1721 Applied Piano Class II**

A continuation of MUSC 1711 with the addition of major scales and literature study. Prerequisite: MUSC 1711.

**MUSC 1731 Applied Piano Class III**

A continuation of MUSC 1721 with the addition of minor scales and minor harmonizations. Intermediate level piano literature. Prerequisites: MUSC 1711, 1721.

**MUSC 1741 Applied Piano Class IV**

A continuation of MUSC 1731 with the addition of further development of the foundations for the proficiency skills required of all music majors. Prerequisites: MUSC 1711, 1721, 1731.

**MUSC 1991 Music Theatre Seminar**

An in-depth overview of performance practices centering on songs and scenes from the Music Theatre genre, as well as monologues from plays and musicals. For non-majors.

**MUSC 2040 Music Theatre Activity**

Individual involvement in Music Theatre productions. May be repeated (4 credit hours maximum). Prerequisite: Permission of instructor.

**MUSC 2131 Ear Training & Sight Singing III**

A continuation of MUSC 1141 with the addition of rhythmic, melodic, and basic choral dictation. Prerequisite: MUSC 1141 Ear Training & Sight Singing II.

**MUSC 2133 Music Theory III**

The continuation of MUSC 1143 with the addition of non-chord tones, diatonic and secondary seventh chords. Chromatic harmony is touched upon. Prerequisite: MUSC 1143 Music Theory II.

**MUSC 2141 Ear Training & Sight Singing IV**

A continuation of MUSC 2131 with the addition of advanced rhythmic, melodic, chordal identification and choral dictation. Prerequisite: MUSC 2131 Ear Training & Sight Singing III.

**MUSC 2143 Music Theory IV**

The continuation of MUSC 2133 with the addition of twentieth-century techniques including polyharmony, atonality, and serialism. Prerequisite: MUSC 2133 Music Theory III.

**MUSC 2221 Comprehensive Jazz Musicianship**

Advanced instrumentalists in a class setting studying the art of improvisation in regard to chord progressions.

**MUSC 2331 Jazz Improvisation**

A study of style in regard to contemporary performance.

**MUSC 2441 Piano Pedagogy**

Emphasis on materials and methods related to a graded program for studio piano instructors.

**MUSC 2450 Supervised Study- Music**

Independent study.

**MUSC 2460 Music Business Internship**

For students who have completed Music Business I & II. Supervised experience is arranged in the student's area of interest. Students must have permission from Music Business advisor to enroll. Prerequisite: MUSC 1633 Music Business II.

**MUSC 2611 Wind Ensemble-Concert Band**

The performance of band literature in an ensemble situation. Repeated credit may not be included in the credits required for graduation.

**MUSC 2621 String Ensemble**

Traditional ensemble work with string instruments.

**MUSC 2631 College Choir**

Choral ensemble performance. Repeated credit may not be included in the credits required for graduation.

**MUSC 2641 Orchestra**

The performance of orchestral literature in an ensemble situation. Repeated credit may not be included in the credits required for graduation.

**MUSC 2650 Music Seminar**

Topics of study within the applied contemporary field.

**MUSC 2651 Music Computer Seminar**

A survey of computer-aided music with emphasis on sequencing and music notation.

**MUSC 2653 Contemporary Arranging**

A study of vocal range and distribution; instrumental transposition and ranges; arranging vocal and instrumental ensembles and combination.

**MUSC 2711 Wind Ensemble - Jazz Band**

Performance of the literature of jazz. Repeated credit may not be included in the credits required for graduation.

**MUSC 2731 Vocal Ensemble- Roustabouts**

Performance of the literature of pop music. Enrollment by audition and permission of instructor only.

**MUSC 2831 Madrigal/Chamber Singers**

Performs Madrigal literature during the fall and Chamber literature during the spring. Open by audition only.

## Nursing

**NURS 1002 Nursing Boot Camp**

Nursing Boot Camp is a fast-paced, highly interactive, five day course that promotes self-examination, empowerment, and thoughtful planning on the part of each learner. Concepts regarding the individual, teaching/learning, communication, and learning resources are explored. The nursing process and nursing education are examined carefully in the context of professional nursing. Principles pertaining to time management, learning, studying, and test-taking are also discussed and applied.

**NURS 1113 Critical Thinking in Health Care Systems**

An introduction to critical thinking concepts in health care systems. This course is designed to introduce topics that include basic principles of critical thinking, the impact of changes in health care to our thinking process, multidisciplinary approaches and expanding roles in health care. Prerequisites: There are no prerequisites.

**NURS 1114 Fundamentals of Nursing**

Fundamentals of Nursing is designed to orient the beginning student to the practice of nursing. It incorporates principles of the sciences and humanities and bases practice on the nursing process. The course centers on the concepts of safe practice and serves as a conceptual framework for application in a practicum setting. Prerequisite: Formal approval by the Nursing Division is required before being admitted into this course. *Offered fall semester only.*

**NURS 1121 Nursing Treatments**

A one hour course offered to freshmen nursing students. Designed to assist the nursing student in understanding pharmacology and diagnostics. Offered in spring semester only. Prerequisites: Fundamentals of Nursing (NURS 1114)

**NURS 1123 Service Learning in Nursing Across the Life Span**

Service Learning in Nursing across the Life Span is an online course which introduces students to the concepts of service learning. Students are given the opportunity to integrate the concepts of service learning into professional learning activities. Health and the health continuum are discussed in terms of the broader perspectives of human persons, their physiological, psychological, developmental and socio-cultural modes. This course connects theory to service learning and explores concepts related to social justice, ethics, and advocacy for individuals and populations. Prerequisites:

Fundamentals of Nursing and Fundamentals of Nursing Practicum.

**NURS 1124 Nursing Fundamentals Practicum**

In Fundamental's Practicum the learner will have the opportunity to utilize the nursing process as a vehicle for meeting basic health needs of clients in actual care settings. The course is designed to allow the learner to apply theoretical knowledge to direct client care. Offered Fall Semester only. Designed to be taken concurrently with NURS 1114 Fundamentals of Nursing. Prerequisite: Formal approval by the Nursing Division is required before being admitted into this course.

**NURS 1234 Nursing of Adults I**

Nursing of Adults I is designed to build upon learning acquired in Fundamentals. The focus is on knowledgeable use of the nursing process as it relates to the holistic (basic and higher needs) care of the adult client who is experiencing a health interruption such as an illness of a medical/surgical nature and/or psychosocial nature.

Prerequisites: Fundamentals of Nursing (NURS 1114) and Fundamentals of Nursing Practicum (NURS 1124) or successful completion of advanced standing testing for Fundamentals of Nursing. *Offered spring semester only.*

**NURS 1244 Nursing of Adults I Practicum**

Nursing of Adults I Practicum incorporates planned hospital and clinical experiences, which increase the learner's understanding of the disease process and effective nursing care. The learner incorporates understanding of the relationship of the nursing process to holistic (basic and higher) client care including therapeutic communication techniques. Designed to be taken concurrently with Nursing of Adults I (NURS 1234). *Offered spring semester.*

**NURS 1253 Introduction to Nursing**

Introduction to Nursing is a course designed for Licensed Practical Nurses seeking advanced standing in the associate degree nursing program. Areas of focus are holistic assessment skills, role change, nursing process and validation of psychomotor nursing skills. Prerequisites: LPNs who have successfully challenged Fundamentals courses and/or LPNs who have been accepted for direct articulation. *Offered summer semester only.*

**NURS 1353 Introduction to Psychiatric Nursing**

Introduction of Psychiatric Nursing is designed to enhance the knowledge base of LPNs wishing to enter the nursing program in the fall semester. The focus is on the use of the nursing process as it relates to the holistic care of the client experiencing a health interruption of a psychosocial nature. The Practicum incorporates planned clinical experiences, which increase the learner's understanding of the disease processes and effective nursing care. The learner incorporates understanding of the relationship of the nursing process to holistic client care including therapeutic communication techniques. Prerequisites: LPNs who have successfully challenged Fundamentals courses and/or LPNs who have been accepted for direct articulation. *Offered summer semester only.*

**NURS 2071 Seminar in Nursing I**

A one-hour course offered to sophomore nursing students. Designed to assist the nursing students to identify and understand safe pharmacological practice principles in the management of nursing care for commonly-prescribed medications. Prerequisites: Fundamentals of Nursing (NURS 1114) and Nursing of Adults I (NURS 1234) or LPN Bridging Courses. *Offered fall semester only.*

**NURS 2072 Seminar in Nursing II**

A two-hour credit course offered to sophomore nursing students. A continuation of Seminar in Nursing I (NURS 2071) designed to assist the nursing student in assuming the new role of graduate nurse. Discussion and analysis of the development of nursing as a profession including the history and controversies, as well as political concerns influencing the relationship of nursing and society; also includes discussion of nursing organizations, career opportunities, interview skills and management of client care. Prerequisite: Nursing Seminar I (NURS 2071). *Offered spring semester only.*

**NURS 2334 Maternal Child Nursing**

Maternal-Child Nursing is designed to introduce the student to the nursing care of maternity clients, children and their families. The maternity phase of life is a normal event which influences the entire family. Another focus of the course is the common health interruptions occurring in the childhood years. Growth and development is a normal progression which influences the child. Concepts of health are focused on the woman from conception through postpartum and on the well child in addition to the ill child. Normal physiologic changes of the mother and the fetus/newborn are stressed. Anticipatory guidance for growth and development are also stressed. Common health problems are also presented. The nursing process, the application of biophysical and psychosociospiritual principles, communication and Maslow's hierarchy of needs are employed within the framework of family-centered nursing. Prerequisites: Nursing of Adults I (NURS 1234). *Offered fall semester only.*

**NURS 2344 Maternal-Child Practicum**

The focus of the practicum is to provide the student the opportunity to incorporate theoretical knowledge in actual client care situations in maternity and pediatric settings in the acute-care setting and in community-based settings. The nursing process, the application of biophysical and psychosociospiritual principles, communication and Maslow's hierarchy of needs are employed within the framework of family-centered maternity nursing. The student is expected to individualize and use the concepts and knowledge learned in earlier courses and apply them to the maternity and pediatric clients as well as the families. Designed to be taken concurrently with NURS 2334 Maternal-Child Nursing Practicum. *Offered the fall semester only.*

### **NURS 2415 Nursing of Adults II**

Nursing of Adults II is designed to build upon learning acquired in all previous nursing courses. Emphasis is placed on care of the client(s) experiencing common complex health interruptions with relatively predictable outcomes. An interdisciplinary approach is used to plan holistic care for the adult and the family in the hospital as well as in the community based settings. Prerequisites: NURS 1114 Fundamentals of Nursing, NURS 1124 Fundamentals of Nursing Practicum, NURS 1234 Nursing of Adults I, NURS 1244 Nursing of Adults I Practicum, NURS 2334 Maternal Child Nursing and NURS 2344 Maternal Child Nursing Practicum. *Offered spring Semester only.*

### **NURS 2425 Nursing of Adults II Practicum**

The focus of practicum is on knowledge-able use of the nursing process as it relates to the care of individual clients and small groups of clients. Experience is planned in the hospital and community setting, as well as in specialty areas. Experience is provided for the student to work as a team member and team leader. Attention is given to persons in late adulthood by identifying adaptations to aging as well as health interruptions. Designed to be taken concurrently with NURS 2415 Nursing of Adults II. *Offered spring semester only.*

### **NURS 2450 Supervised Study in Nursing**

This course is an independent study that is coordinated between the nursing chair and student.

## **Nutrition**

### **NUTRI 2123 Introduction to Human Nutrition**

An introduction to the basic principles of nutrition, including the chemical characteristics of nutrients and their functions in the human body. Students will examine the nutritional requirements and nutrient deficiencies that may occur during the different physiological phases of life. Prerequisites: none required, however students are encouraged to complete BISI 1114 General Biology or BISI 1124 General Biology for Majors prior to enrollment in this course.

## **Orientation**

### **ORNT 1101 Freshman Orientation**

A required course designed to promote a student's educational success.

## **Philosophy**

### **PHIL 1113 Introduction to Philosophy**

This is a survey course designed to introduce the student to the problems of philosophy including discussions on the nature of reality, value, ethics, political ideals, religion and theory of knowledge. This course will cover philosophical methods and historical backgrounds. Prerequisite: ENGL 1113 English Composition I or equivalent. (Meets requirement for humanities elective.)

### **PHIL 2213 Ethics**

This course provides students with a discussion of moral problems such as the nature of good, right action, moral virtue, human freedom and moral responsibility within the context of the major ethical philosophies. (Meets requirement for humanities elective.)

### **PHIL 2223 Business Ethics**

A study of the nature of moral judgments, moral values, freedom and responsibility as it applies to the individual in both a personal and business setting. This course will help the student develop a framework for resolving ethical issues with analytical grounding in the basic theory of ethics. (Meets requirement for humanities elective.)

### **PHIL 2401 Ethics in the Workplace (H\*)**

Beginning with an overview of four moral philosophies, the course will explore how ethics and morality in the working environment are changing. Topics include the roles and responsibilities of supervisors and employees relating to issues of theft, dishonesty, sexual harassment, etc. in today's work environment.

\*Note: Up to 3 1-hour designated humanities seminars can be taken to meet the 2<sup>nd</sup> requirement for humanities elective, in addition to a Block A course.

### **PHIL 2450 Supervised Study in Philosophy**

This course involves a one-on-one discussion and study with a philosophy instructor to meet a student's specific academic need.

## **Physical Science**

### **PHSC 1114 General Physical Science**

A lecture, lab, demonstration and participation course designed to help students understand the basic concepts of physics and chemistry. The course meets the physical science requirement and is recommended for elementary education majors and non-science majors. (Meets general education Physical Science requirement.)

## Physics

### **PHYS 1114 General Physics I**

Physics for liberal arts students, pre-professional students in biological and health fields (pre-medicine, pre-nursing, pre-therapy, etc.) and technology students; includes topics from mechanics, heat, fluids, and thermodynamics. Laboratories are designed to reinforce theory principles. Prerequisite: MATH 1513 College Algebra. (Meets general education Physical Science requirement.) Offered fall semester only on Enid campus.

### **PHYS 1214 General Physics II**

A continuation of PHYS 1114 General Physics I. Includes topics from waves and sound, electricity, magnetism, light, and optics. Laboratories are designed to reinforce theory principles. Prerequisite: MATH 1513 College Algebra and PHYS 1114 General Physics I. (Meets general education Physical Science requirement.) Offered spring semester only on Enid campus.

### **PHYS 2014 Engineering Physics I**

Calculus-based general physics course for science and engineering students. Includes topics from mechanics, heat, thermodynamics, waves and sound. Laboratories are designed to reinforce theory principles. Prerequisite: MATH 2145 Calculus I or concurrent enrollment. (Meets general education Physical Science requirement.) Offered spring semester only.

### **PHYS 2104 Concepts in Physics**

An introductory course designed to explain the basic concepts of motion and forces, matter, energy conservation, thermodynamics, fluid flow, electrical circuits and magnetism. Recommended for process technology and elementary education majors as a model course to learn and teach science. Laboratories are designed to reinforce theory principles. Prerequisite: Must have completed College Algebra. (Meets general education Physical Science requirement.)

### **PHYS 2114 Engineering Physics II**

A continuation of PHYS 2014 Engineering Physics I. Includes topics from electricity, magnetism, light and optics. Laboratories are designed to reinforce theory principles. Prerequisite: PHYS 2014 Engineering Physics I or equivalent. (Meets general education Physical Science requirement.) Offered fall semester only.

### **PHYS 2450 Supervised Study in Physics**

Independent study.

### **PHYS 2812 Applied Physics**

This course is designed for students majoring in technology programs or those requiring exposure to applications of physics. The course covers the study of mechanics, relativity, heat, thermodynamic and harmonic motion, heat, sound, optics and modern energy sources with practical applications used to reinforce the theory. (Meets general education Physical Science requirement.)

## Political Science

### **POLI 1113 American National Government**

American National Government is an introduction to the federal system of government found in the United States. The course of study includes the roles of Congress, the Presidency, Judiciary, Bureaucracy, interest groups and political parties.

### **POLI 2113 Comparative Politics**

This course provides an introductory survey of the various political states of the world, focusing on: history, geography, political culture, political institutions and processes. (Meets requirement for International Dimension.)

### **POLI 2133 State and Local Government**

This course is the study of the nature and makeup of the state, county, municipal and other grass roots level governments; It examines their place in a federal system and how they operate to include the officials that exist in such systems.

### **POLI 2450 Supervised Study in Political Science**

Independent study.

## Process Technology

### **PTEC 1113 Introduction to Process Technology**

Introduction to process operations in the petrochemical industry including: operator roles, responsibilities and expectations; plant terminology; safety and environmental responsibilities; applied organic and inorganic chemistry; applied physics; plant equipment, utility systems; product handling; flow diagrams; general process overviews; basics of process control; and plant organizations. This course will expose students to an overview of the Process Technology associate degree program, including the mental and physical requirements of the Process Technician career. Plant tours will be conducted. Prerequisite: MATH 1513 College Algebra or concurrent enrollment. Offered fall semester only.



**PTEC 1124 Process Troubleshooting**

This course utilizes heat, mass and energy balances and operating data to identify and correct process abnormalities using techniques such as “cause and effect” and “root cause” analysis. Students will acquire and develop troubleshooting techniques associated with petrochemical processes through group exercises in a work team environment. Prerequisite: PTEC 2124 Systems. Offered spring semester only.

**PTEC 1313 Safety, Health, and Work Practices**

Introduction to occupational safety, health and environmental practices and associated equipment including: safety mindset and attitude; personal safety equipment; general safety policies and procedures; hazards communication; HAZWOPER/emergency response; first aid and CPR; industrial hygiene; exposure monitoring; and environmental compliance. This course will give students an overview of various governmental regulations mandated by OSHA, EPA, SARA, RCRA, DOT, NFPA, etc. Prerequisite: MATH 1513 College Algebra or concurrent enrollment. Offered spring semester only.

**PTEC 2014 Process Technology I- Equipment**

This course covers the functions and details of equipment used in processes including piping, pumps, compressors, drums, towers, reactors, heaters, and boilers. Students will review the specific uses and critical parameters of each type of equipment studied. Prerequisite: PTEC 1113 Intro to PTEC. Offered spring semester only.

**PTEC 2024 Industrial Instrumentation**

This course is designed to introduce the student to a simple pneumatic control loop. Specifically, the student will be introduced to pressure, temperature, level and flow transmitters and the various transducers used in the detection of changes in process variables; pneumatic controllers, valve positioners, control valve types, pneumatic relays and the null-balance system are also included as part of the control loop. Prerequisite: PTEC 1113 Intro to PTEC. Offered fall semester only.

**PTEC 2124 Process Technology II- Systems**

A familiarization with the general types of processes found in the chemical and refining industry including: distillation and fractionation; reaction; absorption; adsorption; extraction; stripping; cracking; reforming; alkylation; delayed coking; hydro-processing; and sulfur recovery. This course also includes an explanation of product blending and water treatment, as well as steam and electrical power generation. Prerequisites: PTEC 2014 Equipment and PTEC 2024 Instrumentation. Offered fall semester only.

**PTEC 2214 Process Technology III- Operations**

This course will concentrate on the duties, responsibilities and expectations of the Process Operator with emphasis on understanding and adherence to procedures associated with start-up, shutdown, normal and temporary plant operations. Equipment monitoring, preventive maintenance, training and response to abnormal and emergency operating conditions are stressed as they apply to the work crew and operations team. Students will receive a “sense of reality” regarding the career of a Process Technician, including tips on adjusting to shift work, diversity in the workplace and communicating with the work team and customers. Prerequisite: PTEC 2124 Systems. Offered spring semester only.

**PTEC 2243 Principles of Quality**

The history of Quality will be explored from Deming’s theories to current applications in today’s petrochemical industry. Internal and external customer/supplier relationships of a business which affect the qualitative aspects of quality and the statistical methods, which affect the quantitative aspects of measuring quality, will be stressed throughout this course. Students will be exposed to the benefits of continuous improvement and quality work as they pertain to developing a high performance work team. Prerequisite: PTEC 1113 Intro to PTEC. Offered fall semester only.

**PTEC 2301 Industrial Observation**

Students who have already completed an internship during a semester or summer may receive credit by completing a report on their experiences, as well as presenting their observations and knowledge gained to a first year PTEC class.

**PTEC 2314 Oil & Gas Production I**

Oil and Gas Production I will familiarize students with the job of the oil and gas production technician. Specifically, students will be able to discuss the history of the oil and gas market, concepts surrounding exploration and geology, as well as fundamentals of drilling and well completion, and describe and learn the operations of the equipment and systems used by oil and gas technicians today.

**PTEC 2443 Pipeline Operations & Controls**

This course will concentrate on the duties, responsibilities, and expectations of the Pipeline Technician with emphasis on understanding and adherence to procedures associated with tankage, pipeline flow rate, and pressure monitoring. Training and response to abnormal and emergency operating conditions are stressed. Students will study expectations for the career of a Pipeline Technician, including tips on adjusting to shift work, diversity in the workplace, and communicating with the work team and customers. Prerequisite: PTEC 2124 Systems.

### **PTEC 2450 Supervised Study – Certificate Preparation**

Independent study course in preparation for an accredited examination for work in a process technology field. Examples of exams include but are not limited to the Waste Water Treatment Operator State Examination, Environmental Technician, exams provided by the American Society of Safety Engineers. Consent of instructor required. Credit 1 to 3 hours.

## **Professional Development**

### **PRDV 1001 Workplace Essentials I**

This course will address the following topics: Finding a Job—Resume Writing, Interviewing and Networking; and Job Advancement—Professional Attire, Self-Confidence, Positive Demeanor, Working with Management, Office Politics, and Phone/Email/Correspondence Etiquette.

### **PRDV 1011 Workplace Essentials II**

Advanced version of PRDV 1001 with work-specific readings

### **PRDV 1021 Workplace Management I**

This course will address topics related to stress and time management, including Emotion Regulation, Time Management, “Clocking in,” Work Ethic, Working Well under Pressure, Resilience Training, Persistence, Growth Mindset, Ability to Accept and Learn from Criticism, and Flexibility/Adaptability/Patience/Self-Awareness/Perceptiveness

### **PRDV 1031 Workplace Management II**

Advanced version of PRDV 1021 with work-specific readings

### **PRDV 1041 Workplace Leadership I**

This course will address supervisory skills needed in the workplace, including Meeting Management, Facilitating Skills, Conflict Resolution, Problem Solving, Difficult Personalities and Unexpected Situations, Influence/Persuasion/Negotiation, Listening, and Teamwork.

### **PRDV 1051 Workplace Leadership II**

Advanced version of PRDV 1041 with work-specific readings

## **Psychology**

### **PSYC 1113 General Psychology**

This introduction to psychology examines each of the contemporary theoretical perspectives in psychology. The relationship of behavior, cognition and emotion are explored in such issues as learning, memory, development, motivation, personality, abnormal behavior and therapy design.

### **PSYC 2113 Human Sexuality**

This course seeks to identify the impact of sexuality on all aspects of the person. Using the perspectives of behavioral science we examine the history of sexuality, gender development, sexual anatomy, communication in sexual relationships, the meaning of intimacy, the human sexual response and other cultural issues of sexuality.

Prerequisite: ENGL 1113 English Composition I

### **PSYC 2213 Developmental Psychology**

This course is an examination of the physical, emotional, cognitive, linguistic, behavioral and social changes that occur in human development. Fundamental concepts, research, and theories will be explored through a lifespan model.

Prerequisites: ENGL 1113 English Composition I and PSYC 1113 General Psychology or instructor's permission.

### **PSYC 2233 Social Psychology**

This is a scientific study of social forces influencing human behavior with an emphasis upon the individual in a social context. The course will examine the social self, group processes, attitudes and attitude formation, conformity, persuasion, aggression and other social forces and variations that impact the individual within society. Prerequisite: ENGL 1113 English Composition I

### **PSYC 2333 Introduction to Addictive Behaviors**

This course is an introduction to the psychological, physiological, and sociological theories of substance abuse, alcohol, and other addictive behaviors. The course will cover the addiction process and its effects upon the individual, family, and society. Treatment strategy perspectives from the behavioral science, medical, and legal models will be introduced.

Prerequisite: ENGL 1113 English Composition I

### **PSYC 2401 Addictive Behaviors and the Life Span**

The family is constantly being subjected to a potentially overwhelming series of challenges. One of the identified “problem solvers” to stress and strain in the family is the use of mood-altering chemicals. The interaction of drugs and family stress will be examined in a combination of didactic and experiential teaching with the student writing an expository paper. Prerequisite: ENGL 1113 English Composition I

## Reading

### **READ 0123 Critical Content Reading and Scientific Reasoning**

This course in reading consists primarily of reviewing and learning basic reading skills, then practicing and applying those skills to content area reading. This course meets the deficiency requirements for students who do not meet entrance requirements by either high school course work or test scores.

### **READ 1113 College Reading Skills & Techniques**

This course in reading will work to increase reading rate, reading material in different content areas (textbooks, articles, research), and taking effective notes from reading material.

## Service Learning

Multi-disciplinary (i.e. ENGL 2450, HIST 2450, MATH 2450, etc.) course allowing students to earn one-hour additional credit for a course in which they complete a service learning project designed and approved by instructor to illustrate community engagement supporting subject area.

## Sociology

### **SOCI 1113 Principles of Sociology**

The dynamics of human society are explored in this survey course of sociology. Beginning with the classical theorists of sociology we construct a contemporary perspective of sociology that demonstrates the theories, research and work of sociologists. Issues such as culture, social interaction, socialization, stratification, multiculturalism, institutions, collective behavior and social change are viewed through the unique perspectives of sociology.

### **SOCI 2013 Marriage and Family**

The sociological relationship between marriage and family and other institutional structures and systems. The emphasis will be on contemporary American marriage and family, with cross-cultural comparisons. Male and female roles and relationships in mate selection, sexuality, marriage, divorce, and other intimate situations will be studied. Prerequisite: ENGL 1113 English Composition I

### **SOCI 2223 Social Problems**

This course is the study of contemporary social problems using the sociological perspective. Using the major theories of sociology students will discuss cross-cultural descriptions, causes and varied solutions for problems such as poverty, gender, race, ethnicity, crime, violence, addictive behavior as well as institutional breakdown in American society. Prerequisite: ENGL 1113 English Composition I

### **SOCI 2323 Diversity and Inclusion in 21<sup>st</sup> Century America**

This course presents historical context and examines how the United States has arrived at current categories of race, sex and gender, sexual orientation, social class and disability. Prerequisite: ENGL 1113 English Composition I

### **SOCI 2401 Family in the Millennium**

If it takes a village to raise a child, then what role is left to the family? This seminar examines family systems, family communication patterns and family values as the family's role in socialization is discussed. Prerequisite: ENGL 1113 English Composition I

### **SOCI 2411 Conventional Wisdom**

Conventional Wisdom is an innovative way of looking at the world from the sociological perspective. The course provides a vehicle for instructor and class to initiate dialogue on common ground, that of being consumers of popular culture. Sociological ideas and perspectives are used to explain, qualify and sometimes debunk conventional wisdom such as "Winning Is Everything." Prerequisite: ENGL 1113 English Composition I

### **SOCI 2450 Study Sociology**

Independent study. Prerequisite: ENGL 1113 English Composition I

## Speech and Broadcasting

### **SPCH 1653 Radio Broadcasting**

The class covers the basic skills needed to operate and perform announcer responsibilities. An emphasis will be placed on digital and analog equipment operations and production techniques.

### **SPCH 1713 Introduction to Oral Communication**

The class is an overview of the principles and techniques used to prepare, evaluate and present a speech in a formal environment. The class also covers the evaluation process in different communication situations.

### **SPCH 2010 Speech Activity Participation- Radio**

The student will be involved in the daily programming of the campus radio station by participating as a student radio announcer. Prerequisite: permission of instructor (4 credit hours maximum).

### **SPCH 2123 Television Production**

The student will be expected to learn how to operate the television equipment used to produce a daily program. An emphasis will be put on the operation of the television system and the terminology and analog technology used in the industry.

### **SPCH2213 Interpersonal Communication**

This course will entail the essential elements needed for students to have effective communication skills with other individuals. The student will understand the global and cultural significance of individual and small group communication. The course will cover listening, non-verbal communication, interviewing skills, conflict resolution, and leadership communication styles.

## **Theatre**

### **THTR 1213 Beginning Acting**

An introduction to basic performance skills designed to develop the student actor's imagination and perception through experience in improvisation, movement, voice and the dramatic monologue.

### **THTR 1223 Introduction to Theatre**

An exploration of theatre as an art form, including history, philosophy and practices of theatre arts from Greece to present day. Included will be lectures and discussions of acting, directing, technical, audience and social influences on theatre. Designed to provide a basic understanding of theatre as an art form and to develop audience appreciation for theatre. (Meets requirement for humanities elective.)

### **THTR 1243 Stagecraft I**

An introduction to technical aspects of the theatre arts including the design and construction of settings and properties, costumes and lighting.

### **THTR 1262 Stage Makeup**

An introduction to the art, technique and materials of makeup to create the impressions of character for the stage and theatrical productions.

### **THTR 1990 Music Theatre Seminar**

Weekly Master Class environment designed to develop performance and auditioning skills. For Music Theatre majors.

### **THTR 2020 Theatre Activity Participation**

Theatre credit for involvement in theatrical productions. Includes technicals, acting, and front of house for productions. May be repeated (four credit hours maximum). Prerequisite: Permission of instructor.

### **THTR 2213 Intermediate Acting**

A continuation of Beginning Acting. Students will add the element of scene study and focus will move to more advanced techniques of improvisation, movement and voice. Prerequisite: THTR 1213 Beginning Acting.

### **THTR 2243 Stagecraft II**

A continuation of THTR 1243 Stagecraft I. Prerequisite: THTR 1243 Stagecraft I.

### **THTR 2441 Theatre Dance I**

Practice and study of common dance movements used on stage when performing musical theatre. Study includes fundamentals of ballet and tap. Offered fall semester.

### **THTR 2491 Theatre Dance II**

A continuation of elements learned in Theatre Dance I. Prerequisite: THTR 2441 Theatre Dance I.

### **THTR 2713 History of the Theatre**

Development of dramatic form, theatre architecture and production procedures from 500 B.C. to the present. Emphasis on the historical and cultural influences of the Western tradition. (Meets requirement for humanities elective.)

### **THTR 2813 History of Musical Theatre**

In this course students will study the events (both historical and cultural influences) that led to the development of the art form of Musical Theatre. Students will develop skills to better enjoy, critique and understand American musical theatre through a critical review of production elements and musical theatre practices from all eras. (Meets requirement for humanities electives)

### **THTR 2963 Stage Lighting I**

Stage lighting design, design of lighting instruments. Practical experience in lighting

### **THTR 2973 Stage Lighting II**

A continuation of Stage Lighting I