



2015-16 President's Leadership
Council at NOC Cove



NORTHERN
Oklahoma College
TONKAWA | ENID | STILLWATER

2016-2017 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 <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.

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FAX: 580.548.2216

Marshall Building



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PO Box 1869
Stillwater, OK 74076-1869
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Cowboy Mall



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

Northern Oklahoma College does not discriminate on the basis of race, color, national origin, sex/gender, age, or disability in admission to its programs, services or activities, in access to them, in treatment of individuals, or in any aspect of their operations. Northern Oklahoma College also does not discriminate in its hiring or employment practices.

This notice is provided as required by Title VI of the Civil Rights Act of 1964, Section 504 of the Rehabilitation Act of 1973, Title IX of the Education Amendments of 1972, the Age Discrimination Act of 1975, and the Americans with disabilities Act of 1990. Questions, complaints or requests for additional information regarding these laws may be forwarded to Northern Oklahoma College, Office of Student Affairs, Attn.: Federal Compliance, 1220 East Grand, PO Box 310, Tonkawa, OK 74653-0310; telephone 580.628.6240; 8 a.m. to 5 p.m. Monday through Friday.

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For Higher Education
2016-17**

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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:

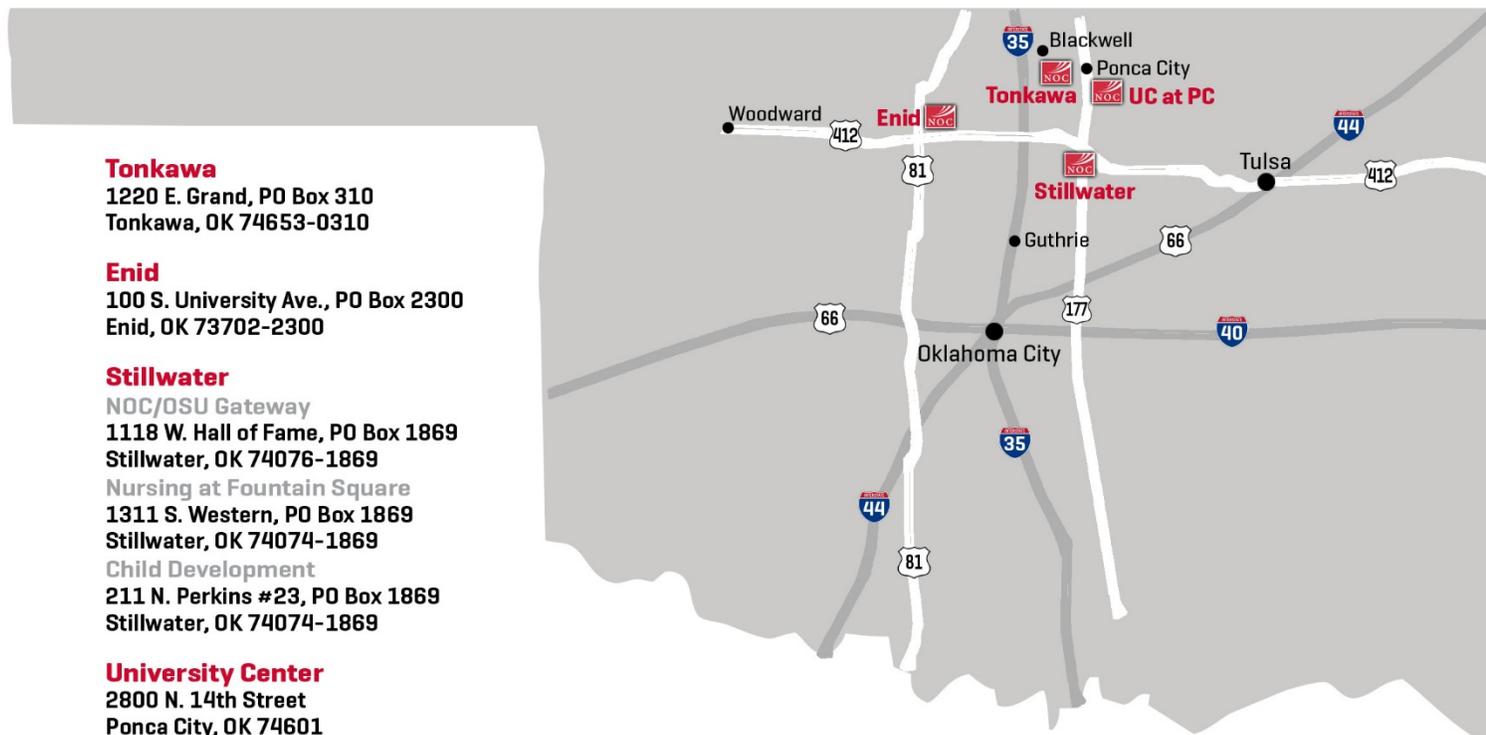
- We believe that educated citizens are necessary for a healthy, democratic society, and that free and open expression and an appreciation for diversity are cornerstones of higher education.
- We believe in economic and environmental sustainability and the importance of enriching the intellectual, artistic, 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 21st 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 during weekends. 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. Some 2,200 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 1,200 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, <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, 11520 West 119th Street, Overland Park, Kansas 66213, telephone (913) 339-9356. The college also enjoys memberships and affiliations with American Association of Collegiate Registrars and Admissions Officers, American Association of Community Colleges, and Oklahoma Association of Community Colleges. Other memberships and affiliations include 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, Accreditation Council of Business Schools and Programs, 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.

AFROTC

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 <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.

2016-2017 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.

Application, Admissions, and Enrollment

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

High school seniors and juniors seeking concurrent admission should complete the application form found at <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 at <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. Under the adult admission category, any student 21 years old or older, on active military duty, or a non-high school graduate may be exempt from the ACT test, but placement is required.

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)
- Other- 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. Courses taken to remove high school curricular deficiencies may not count toward satisfaction of degree program requirements. Students may remove curricular deficiencies either by successfully completing a 0-level course or by successfully completing an appropriate examination.

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.

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 ground of 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.

UNDERSTANDING COURSE NUMBERS, PREREQUISITES, AND COURSE LOADS

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 three hours per week. If the class has a laboratory period, the student can usually expect to be in lab two to three hours for every one hour of earned credit. 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.

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.

DETERMINING APPROPRIATE COURSE LOADS

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. Ample time is available for library and study time as well as social activities. Many students who use hours between class for library work and study find they need to spend only part of the evening hours studying to maintain their course work. A minimal rule of thumb is for every hour in class, students should spend at least two hours out of class studying course material and completing course assignments.

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.

In online courses, students might expect to spend an average of three hours per week for every credit hour taken because rather than attending class sessions students have course content delivered through posted lectures, discussion board topics, videos, etc., and then must allow time for completion of homework, projects, and assessment beyond the introduction of content. Northern also requires a minimum of one exam proctored

for each online course. These exams may be taken for no charge at one of Northern's testing centers in Tonkawa, Enid, or Stillwater (NOC-OSU Gateway Program). Students outside of the area may also arrange with their instructor's approval to test at another institution; however, they should be aware that most other institutions will charge a small testing fee for the proctoring service—normally averaging \$20-30 per test session.

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 three 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. 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.

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.

POLICY ON PRIOR LEARNING ASSESSMENT (PLA) OR OBTAINING CREDIT BY EXAMINATION

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. 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.

Northern Oklahoma College primarily recognizes and accepts scores from the College Level Examination Program (CLEP) of the Education Testing Service and the College Board's Advanced Placement Program. These standardized tests as well as locally constructed, comprehensive examinations covering the content of courses will be administered on campus in accordance with published guidelines. 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. Students are also required to submit official AP score reports for evaluation if the student did not send the report directly to NOC. Military personnel are required to submit official military transcripts for evaluation. Northern recognizes the American Council on Education (ACE) guidelines for academic credit. 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.

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.

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. 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 0-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	GPA Requirement
0 through 30 semester credit hours	1.7
Greater than 30 semester credit hours	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.

DEGREE REQUIREMENTS

Students will be graduated from the college upon having completed 60 semester hours of college courses with a grade-point average of C (2.00). Students must have completed 40 semester hours at this institution or have completed the last 15 semester hours in residence. They will receive one of the following degrees: Associate in Arts, Associate in Science, or Associate in Applied Science.

All first-time students must show computer proficiency before graduating with the Associate in Arts or Associate in Science degree. Proficiency may be shown by completing CS 1113 Computer Concepts, BSAD 1113 Digital and Financial Literacy, or other computer course designated on the degree sheet for a particular major, or by passing an approved competency exam.

Degrees will be conferred at regular commencement exercises. Application for graduation should be made at the Registrar's Office at the time of enrollment for the final semester.

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 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. Northern Oklahoma College offers seven residence halls and a five- or seven-day meal plan on the Tonkawa campus and three residence halls and a five- or seven-day meal plan on the Enid campus. The 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 first 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.

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 two to three weeks prior to the beginning of the semester. Statements are available for viewing online at myNOC. Tuition and fees are due before the first day of class. For more information about payment and payment options, please visit our website at www.noc.edu.

HOUSING AND FOOD SERVICES

Comfortable and convenient living quarters are available on campus: Easterling, Bell, 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. 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 either a 5-day or 7-day meal ticket. 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. Please see the Office of Financial Affairs for details.

For the 2016-2017 academic year, the following tuition rates and fees will apply:

2016-2017 Cost Comparison

Resident Tuition & Fees Cost per credit hour *

Tonkawa Campus	
Tuition	83.00
Fees	39.50
TOTAL	122.50

Enid Campus	
Tuition	83.00
Fees	52.50
TOTAL	135.50

Concurrent & Ed Centers	
Tuition	83.00
Fees	55.00
TOTAL	138.00

UC - Ponca City	
Tuition	83.00
Fees	81.50
TOTAL	164.50

Internet	
Tuition	83.00
Fees	100.20
TOTAL	183.20

NOC/OSU Gateway	
Tuition	83.00
Fees	229.75
TOTAL	312.75

Non-Resident Tuition & Fees Cost per credit hour *

Tonkawa Campus	
Tuition	270.50
Fees	39.50
TOTAL	310.00

Enid Campus	
Tuition	270.50
Fees	52.50
TOTAL	323.00

Concurrent & Ed Centers	
Tuition	270.50
Fees	55.00
TOTAL	325.50

UC - Ponca City	
Tuition	270.50
Fees	81.50
TOTAL	352.00

Internet	
Tuition	270.50
Fees	100.20
TOTAL	370.70

NOC/OSU Gateway	
Tuition	270.50
Fees	513.00
TOTAL	783.50

*Additional class fees or program fees are not included. See class schedule online for specific information on fees. NOC/OSU Gateway totals do not include one-time ID fee. UC assesses a \$20 security/badge fee each semester.

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 internet at 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 \$591 to \$5815 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 <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

The Northern Oklahoma College scholarship program is divided into two areas: merit-based and need-based. Merit-based scholarship awards recognize and reward excellence to students who have demonstrated exceptional academic achievement or who have demonstrated talent in such areas as sports and fine arts. Scholarships are funded by the Oklahoma State Regents for Higher Education through 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, please contact the Scholarship Office at 580.628.6760 or visit our website at www.noc.edu.

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 Checklist

What to do:

- Students planning to apply for scholarships must complete the Online Admissions Application at www.noc.edu/apply
- Complete the Institutional Scholarship Application Form at www.noc.edu/scholarships. A 24 hour waiting period is required after the admissions application has been completed before the scholarship application can be accessed.
 - First time users will “Sign Up” using their personal email address that was submitted on their Admissions application.
 - The password must contain a minimum of 8 characters and include at least 1 digit, 1 uppercase letter, and 1 lowercase letter.
 - Upon signing up, you will receive a confirmation email to ensure your identity. Please check your spam folder for this email.
 - Once you have confirmed your account, you can begin accessing the system.
- Complete the Free Application for Federal Financial Aid (FAFSA) at www.fafsa.ed.gov (Northern’s Title IV Institutional Code is 003162).
 - New Filing year opens every October 1st for the next academic year.
 - When NOC receives the Student Aid Report, you will be notified and asked to complete additional documentation.
 - Applications received prior to January 1st will receive their documents after the first of the year.
 - If you have not been notified by NOC within two weeks of filing a completed FAFSA, with the exception of those who filed prior to January 1st, please contact the Financial Aid Office to see if additional information is needed.
 - To be considered for scholarships the Financial Aid Office must have received your FAFSA and all required paperwork submitted, regardless of eligibility.
 - Students who receive a scholarship award, but have not filed FAFSA, are **REQUIRED** to file within 30 days of their notification. Failure to do so may result in the scholarship being revoked.

What to Expect:

- Awarding of Financial Aid and Scholarships begins after Spring Break.
- When all required documents are received, The Financial Aid Office will evaluate your student file and send out award notifications via email and include instructions on how to log into MyNOC and accept your awards through campus connect.

- ❑ Scholarship award notifications will be sent via email and contain a link to the scholarship website that gives details about the offer and allow the scholarship to be accepted.
 - Unable to open the link, go to https://north-ok.academicworks.com/users/sign_in.
- ❑ NOTE: All Financial Aid will be applied to student accounts first from state and federal financial aid grants, i.e., Pell, SEOG, OTAG, AHLAP, etc. These will become the primary source of funding student's educational costs. All scholarship students must apply for FAFSA within 30 days of accepting a scholarship award. (students receiving NOC scholarship awards that are the equivalent of a full ride scholarship could be eligible for partial refund up to \$1,000.)

Need to Know:

- ❑ Not every scholarship is available for award every year. Funding determines availability.
- ❑ Priority Deadline. Applications 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.
- ❑ The scholarship committees on each campus shall determine the recipients for the scholarship awards. The Institutional Scholarship Office shall administer the scholarship awards.
- ❑ Priority will be given to applicants who are an Oklahoma Resident, United States citizen or permanent resident.
- ❑ Maximum institutional scholarships may not exceed five (5) academic semesters (does not include summer courses) unless otherwise stated.
- ❑ Scholarship funds will be applied for fall and spring semesters unless otherwise stated and does not include summer courses.
- ❑ Some scholarships are not automatically renewable and require that students reapply each academic year. A complete list of scholarships with criteria are available at www.noc.edu/scholarships
- ❑ Applicants must adhere to the academic standards policies as well as the drug and student conduct policies of the institution. Failure to comply may result in removal of scholarship award.
- ❑ 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 Board.
- ❑ Scholarship appeals are limited to one year from the start of the semester last enrolled.
- ❑ 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.

Contact Information:

Institutional Scholarship Coordinator

580.628.6760

scholarships@noc.edu

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
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.

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:
 - English Composition6 hours
 - American History and American National Government6 hours
 - Science 7-8 hours
(Two science courses, one of which must have a lab)
 - Humanities6 hours
(Chosen from non-performance courses defined as humanities by the institution granting the associate degree)
 - Mathematics3 hours
 - ORNT 1101 Orientation 1 hour
 - BSAD 1113 Digital/Financial Literacy or other computer course.....3 hours
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.
 - 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:

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 1533 Search for Life | ASTR 2563 Galaxies and Cosmology |
| AVIA 1113 Theory of Flight | CHEM 1014 Concepts in Chemistry |
| 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 Ancient World History
HIST 1223 Modern World History
HIST 1713 History of Eastern Civ
HIST 2113 History of Latin American Civ
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 GLBL 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.

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 Ancient World History
HIST 1223 Modern World History
HIST 1713 History of Eastern Civilization
HIST 2113 History of Latin American Civ

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



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

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. 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. Career Opportunities Art Business Art Education Art Historian Art Preservation Art Therapy Book Illustration Commercial Artist Gallery Owner Studio Artist 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 ACT test scores or by COMPASS test scores. These tests are administered in the Testing Center at NOC. Based upon the scores, some or all of the following four courses may need to be taken: <ul style="list-style-type: none">MATH 0023 Concepts of AlgebraMATH 0123 Intermediate AlgebraENGL 0123 Basic CompositionREAD 0123 Critical Content Reading and Scientific Reasoning
	Credit Hours		Credit Hours	
GENERAL EDUCATION	37	FIRST SEMESTER	16	
ENGLISH COMPOSITION		ENGL 1113 English Composition I	3	
ENGL 1113 English Composition I.....	3	MATH 1493 Math Applications	3	
ENGL 1213 English Composition II	3	ORNT 1101 Freshman Orientation	1	
HISTORY AND GOVERNMENT		ART 1113 (humanities elective)	3	
HIST 1483 American History to 1877 (or)		ART 1433 Fundamentals of Two-		
HIST 1493 Am. History Since 1877	3	Dimensional Art	3	
POLI 1113 American Government	3	ART 2563 Fundamentals of Three-		
HUMANITIES		Dimensional Art	3	
Electives.....	6	SECOND SEMESTER	15	
One 3-hour course to be chosen from those listed with International Dimension and 3 hours of humanities electives.		ENGL 1213 English Composition II	3	
MATHEMATICS		HIST 1483 American History to 1877 (or)		
MATH 1493 Math Applications (or)		HIST 1493 American History Since 1877	3	
MATH 1513 College Algebra	3	BSAD 1113 Digital/Financial Literacy	3	
SCIENCE		ART 1193 Ceramics I	3	
Two Sciences with Lab	8	ART 1313 Drawing I	3	
COMPUTER SCIENCE		THIRD SEMESTER	16	
BSAD 1113 Digital/Financial Literacy	3	POLI 1113 American Government	3	
(or other approved computer course)		Science Elective (Biological or Physical)	4	
ORIENTATION		Recommended Program Electives	3	
ORNT 1101 Freshman Orientation	1	ART 1323 Drawing II	3	
GENERAL EDUCATION ELECTIVES	4	ART 2853 Painting I	3	
Select courses from: Language Arts, Natural Sciences, Foreign Languages, Fine Arts, Humanities, Mathematics, Behavioral or Social Sciences		FOURTH SEMESTER	13	
PROFESSIONAL CORE REQUIREMENTS	18	Humanities Elective	3	
ART 1193 Ceramics I	3	Science Elective (Biological or Physical)	4	
ART 1313 Drawing I	3	*Program/Gen Ed Electives	6	
ART 1323 Drawing II	3			
ART 1433 Fundamentals of Two-				
Dimensional Art	3			
ART 2563 Fundamentals of Three-				
Dimensional Art	3			
ART 2853 Painting I	3			
Substitutions may be made with prior approval.				
RECOMMENDED PROGRAM ELECTIVES	5-6			
ART 1202 Art History Survey I (or)				
ART 1303 Art History Survey II.....	3			
ART 2193 Ceramics II	3			
ART 2333 Sculpture I	3			
ART 2863 Painting II	3			
ART 2951 Portfolio/Gallery Seminar	1			
TOTAL CREDIT HOURS	60			

*Hours from recommended program electives and general education electives in Fine Arts may be combined for final 6 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.

Child Development

PROGRAM REQUIREMENTS	SUGGESTED COURSE SEQUENCE																																																																																																																																					
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A CDA certificate from a Technology Center must be submitted to the Registrar in order to receive six hours of college credit from NOC within the CD electives.</p> <p>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.</p> <p>Career Opportunities</p> <ul style="list-style-type: none"> Child Care Center Director Child Care Center Master Teacher Headstart Staff Public School Teacher's Aide <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 ACT test scores or by COMPASS test scores. These tests are administered in the Testing Center at NOC. 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PSYC 2213 Developmental Psychology	3																																																																																																																																					
A valid CDA credential.....	6																																																																																																																																					
Substitutions may be made with prior approval.																																																																																																																																						
TOTAL CREDIT HOURS	61																																																																																																																																					
	Credit Hours																																																																																																																																					
FIRST SEMESTER	16																																																																																																																																					
ENGL 1113 English Composition I	3																																																																																																																																					
BSAD 1113 Digital/Financial Literacy.....	3																																																																																																																																					
ORNT 1101 Freshman Orientation	1																																																																																																																																					
CD 1023 Introduction to Early Childhood Education	3																																																																																																																																					
CD 1053 Child Health and Nutrition	3																																																																																																																																					
MATH 1493 Math Applications	3																																																																																																																																					
SECOND SEMESTER	15																																																																																																																																					
ENGL 1213 English Composition II	3																																																																																																																																					
HIST 1483 American History to 1877 (or)																																																																																																																																						
HIST 1493 American History Since 1877 .	3																																																																																																																																					
Humanities Elective	3																																																																																																																																					
CD 2243 Infant/Toddler Programming	3																																																																																																																																					
CD 2013 Behavior, Development and Guidance of Children	3																																																																																																																																					
THIRD SEMESTER	16																																																																																																																																					
Science Elective (Biological or Physical)	4																																																																																																																																					
CD 2143 Preschool Programming	3																																																																																																																																					
Recommended Program Electives	6																																																																																																																																					
POLI 1113 American Government	3																																																																																																																																					
FOURTH SEMESTER	14																																																																																																																																					
Humanities Elective	3																																																																																																																																					
*Program/Gen Ed Electives	7																																																																																																																																					
Science Elective (Biological or Physical)	4																																																																																																																																					

Communications - Mass Communications Option

PROGRAM REQUIREMENTS	CREDIT HOURS	SUGGESTED COURSE SEQUENCE	CREDIT HOURS	
GENERAL EDUCATION	37	FIRST SEMESTER	16	<p>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.</p> <p>Career Opportunities</p> <ul style="list-style-type: none"> Editor Information Specialist Media/Public Relations News Reporter/Writer On-Air Broadcast Talent Photojournalist Sports Reporter Teacher Technical Writer <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 ACT test scores or by COMPASS test scores. These tests are administered in the Testing Center at NOC. Based upon the scores, some or all of the following four courses may need to be taken:</p> <ul style="list-style-type: none"> • MATH 0023 Concepts of Algebra • MATH 0123 Intermediate Algebra • ENGL 0123 Basic Composition • READ 0123 Critical Content Reading and Scientific Reasoning
ENGLISH COMPOSITION		ENGL 1113 English Composition I	3	
ENGL 1113 English Composition I.....	3	BSAD 1113 Digital/Financial Literacy.....	3	
ENGL 1213 English Composition II	3	ORNT 1101 Freshman Orientation	1	
HISTORY AND GOVERNMENT		MATH 1493 Math Applications	3	
HIST 1483 American History to 1877 (or)		JOUR 1013 Intro to Mass Communications .	3	
HIST 1493 Am. History Since 1877	3	JOUR 1113 Writing for Mass Media	3	
POLI 1113 American Government	3	SECOND SEMESTER	15	
HUMANITIES		ENGL 1213 English Composition II	3	
Electives	6	HIST 1483 American History to 1877 (or)		
One 3-hour course to be chosen from		HIST 1493 American History Since 1877 .	3	
those listed with International Dimension and		JOUR 2013 Principles of Advertising	3	
3 hours of humanities electives.		JOUR 1123 News Reporting and Writing	3	
MATHEMATICS		JOUR 1133 Photography	3	
MATH 1493 Math Applications (or)		THIRD SEMESTER	15	
MATH 1513 College Algebra	3	POLI 1113 American Government	3	
SCIENCE		Science Elective (Biological or Physical)	4	
Two Sciences with Lab	8	Humanities Elective	3	
COMPUTER SCIENCE		SPCH 1653 Radio Broadcasting.....	3	
BSAD 1113 Digital/Financial Literacy.....	3	JOUR 2240 Publications Practicum	2	
(or other approved computer course)		FOURTH SEMESTER.....	14	
ORIENTATION		General Education Electives	4	
ORNT 1101 Freshman Orientation	1	Humanities Elective	3	
GENERAL EDUCATION ELECTIVES.....	4	Science Elective (Biological or Physical).....	4	
Select courses from: Language Arts,		SPCH 1713 Intro to Oral Communication.....	3	
Natural Sciences, Foreign Languages,				
Fine Arts, Humanities, Mathematics,		This is a suggested sequence timeline only. A		
Behavioral or Social Sciences		student may require more than four semesters		
PROGRAM REQUIREMENTS.....	18	to complete an Associate in Arts degree.		
JOUR 1013 Intro to Mass Communication ..	3			
JOUR 1113 Writing for Mass Media.....	3			
JOUR 1133 Beginning Photography	3			
JOUR 1123 News Reporting and Writing	3			
JOUR 2013 Principles of Advertising	3			
SPCH 1653 Radio Broadcasting.....	3			
Substitutions may be made with prior approval.				
RECOMMENDED PROGRAM ELECTIVES ...	5			
JOUR 2023 Photojournalism	3			
JOUR 2033 Principles of Public Relations...	3			
JOUR 2223 Broadcast Journalism	3			
JOUR 2240 Publications Practicum	2			
SPCH 2123 Television Production	3			
SPCH 1713 Intro to Oral Communication ...	3			
SPCH 2010 Speech Activity Participation ...	2			
TOTAL CREDIT HOURS.....	60			

Communications – Photography Option

PROGRAM REQUIREMENTS	Credit Hours
GENERAL EDUCATION	37
ENGLISH COMPOSITION	
ENGL 1113 English Composition I	3
ENGL 1213 English Composition II	3
HISTORY AND GOVERNMENT	
HIST 1483 American History to 1877 (or)	
HIST 1493 Am. History Since 1877	3
POLI 1113 American Government	3
HUMANITIES	
Electives.....	6
One 3-hour course to be chosen from those listed with International Dimension and 3 hours of humanities electives.	
MATHEMATICS	
MATH 1493 Math Applications (or)	
MATH 1513 College Algebra	3
SCIENCE	
Two Sciences with Lab	8
COMPUTER SCIENCE	
BSAD 1113 Digital/Financial Literacy	3
(or other approved computer course)	
ORIENTATION	
ORNT 1101 Freshman Orientation	1
GENERAL EDUCATION ELECTIVES	4
Select courses from: Language Arts, Natural Sciences, Foreign Languages, Fine Arts, Humanities, Mathematics, Behavioral or Social Sciences	
PROGRAM REQUIREMENTS	15
JOUR 1013 Intro to Mass Communication ..	3
JOUR 1113 Writing for Mass Media.....	3
JOUR 1133 Beginning Photography	3
JOUR 2023 Photojournalism	3
JOUR 2113 Digital Imaging	3
Substitutions may be made with prior approval.	
RECOMMENDED PROGRAM ELECTIVES.8-9	
JOUR 1111 Intro to Digital Photography	1
JOUR 1223 Design Technology	3
JOUR 2043 Light and Lighting	3
JOUR 2133 Intermediate Photography	3
JOUR 2143 Advanced Photography	3
SPCH 1713 Intro to Oral Communications .	3
Photography weekend seminars or trips..	1-3
TOTAL CREDIT HOURS	60

SUGGESTED COURSE SEQUENCE	Credit Hours
FIRST SEMESTER	16
ENGL 1113 English Composition I	3
BSAD 1113 Digital/Financial Literacy	3
ORNT 1101 Freshman Orientation	1
MATH 1493 Math Applications	3
JOUR 1013 Intro to Mass Communications	3
JOUR 1113 Writing for Mass Media	3
SECOND SEMESTER	16
ENGL 1213 English Composition II	3
HIST 1483 American History to 1877 (or)	
HIST 1493 American History Since 1877 .	3
Science Elective (Biological or Physical)	4
JOUR 1133 Photography	3
JOUR 1123 News Reporting and Writing	3
THIRD SEMESTER	15
POLI 1113 American Government	3
Science Elective (Biological or Physical)	4
Humanities Elective	3
Program Elective	2
JOUR 2023 Photojournalism	3
FOURTH SEMESTER	13
General Education Electives	4
Humanities Elective	3
JOUR 2113 Digital Imaging	3
SPCH 1713 (program elective)	3

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

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.

- Career Opportunities**
- Digital Imaging
 - Media/Public Relations
 - News Reporter/Writer
 - Photographer
 - Photojournalist
 - Sports Reporter
 - Teacher

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 ACT test scores or by COMPASS test scores. These tests are administered in the Testing Center at NOC. Based upon the scores, some or all of the following four courses may need to be taken:

- MATH 0023 Concepts of Algebra
- MATH 0123 Intermediate Algebra
- ENGL 0123 Basic Composition
- READ 0123 Critical Content Reading and Scientific Reasoning

Criminal Justice Administration

PROGRAM REQUIREMENTS	SUGGESTED COURSE SEQUENCE	
<p style="text-align: right;">Credit Hours</p> GENERAL EDUCATION 37 ENGLISH COMPOSITION ENGL 1113 English Composition I..... 3 ENGL 1213 English Composition II3 HISTORY AND GOVERNMENT HIST 1483 American History to 1877 (or) HIST 1493 Am. History Since 18773 POLI 1113 American Government3 HUMANITIES Electives 6 One 3-hour course to be chosen from those listed with International Dimension and 3 hours of humanities electives. MATHEMATICS MATH 1493 Math Applications (or) MATH 1513 College Algebra 3 SCIENCE Two Sciences with Lab 8 COMPUTER SCIENCE BSAD 1113 Digital/Financial Literacy..... 3 (or other approved computer course) ORIENTATION ORNT 1101 Freshman Orientation 1 GENERAL EDUCATION ELECTIVES 4 Select courses from: Language Arts, Natural Sciences, Foreign Languages, Fine Arts, Humanities, Mathematics, Behavioral or Social Sciences PROGRAM REQUIREMENTS 15 CRMJ 1113 Intro to Criminal Justice..... 3 CRMJ 1223 Criminal Law – Ad of Justice ... 3 CRMJ 1333 Criminal Evidence 3 CRMJ 2233 Juvenile Delinquency 3 SOCJ 1113 Principles of Sociology..... 3 PROGRAM ELECTIVES 8-9 CRMJ 1523 Introduction to Corrections..... 3 CRMJ 2113 Criminal Investigation..... 3 CRMJ 2450 Supervised Studies in CRMJ...3 SPCH 1713 Introduction to Oral Comm.....3 PSYC 1113 General Psychology.....3 PSYC 2313 Intro to Addictive Behaviors....3 SOCJ 2223 Social Problems.....3 HPET 1113, 1223, or 2212.....2-3 Substitutions may be made with prior approval. TOTAL CREDIT HOURS 60	<p style="text-align: right;">Credit Hours</p> FIRST SEMESTER 16 ENGL 1113 English Composition I 3 MATH 1493 Math Applications 3 ORNT 1101 Freshman Orientation 1 CRMJ 1113 Intro to Criminal Justice 3 POLI 1113 American Government 3 SOCJ 1113 Principles of Sociology.....3 SECOND SEMESTER 15 ENGL 1213 English Composition II 3 HIST 1483 American History to 1877 (or) HIST 1493 Am. History Since 1877 3 BSAD Digital/Financial Literacy 3 CRMJ 1333 Criminal Evidence 3 Recommended Program Elective 3 THIRD SEMESTER 16 CRMJ 1223 Criminal Law-Admin of Justice . 3 Science Elective (Biological or Physical) 4 Humn Elective (Ethics recommended) 3 CRMJ 2233 Juvenile Delinquency 3 Recommended Program Elective 3 FOURTH SEMESTER 13 *Program/Gen Ed Electives 6 Humanities Elective 3 Science Elective (Biological or Physical) 4 This is a suggested sequence timeline only. A student may require more than four semesters to complete an Associate in Arts degree. *Hours from recommended program electives and general education electives in Social Sciences may be combined for final 7 hours required to graduate.	<p>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.</p> <p>Career Opportunities Business Crime Scene Photographer Education Forensics Law Enforcement</p> <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 ACT test scores or by COMPASS test scores. These tests are administered in the Testing Center at NOC. Based upon the scores, some or all of the following four courses may need to be taken:</p> <ul style="list-style-type: none"> • MATH 0023 Concepts of Algebra • MATH 0123 Intermediate Algebra • ENGL 0123 Basic Composition • READ 0123 Critical Content Reading and Scientific Reasoning

Education - Elementary Option

PROGRAM REQUIREMENTS	CREDIT HOURS	SUGGESTED COURSE SEQUENCE	CREDIT HOURS	
GENERAL EDUCATION	37	FIRST SEMESTER	17	<p>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.</p> <p>The Elementary Education program provides the core courses that develop the foundation for a major field of study, plus general education courses.</p> <p>Career Opportunities Teacher Day Care Employment</p> <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 ACT test scores or by COMPASS test scores. These tests are administered in the Testing Center at NOC. Based upon the scores, some or all of the following four courses may need to be taken:</p> <ul style="list-style-type: none"> • MATH 0023 Concepts of Algebra • MATH 0123 Intermediate Algebra • ENGL 0123 Basic Composition • READ 0123 Critical Content Reading and Scientific Reasoning
ENGLISH COMPOSITION		ENGL 1113 English Composition I	3	
ENGL 1113 English Composition I.....	3	BSAD 1113 Digital/Financial Literacy	3	
ENGL 1213 English Composition II	3	ORNT 1101 Freshman Orientation	1	
HISTORY AND GOVERNMENT		MATH 1493 Math Applications	3	
HIST 1483 American History to 1877 (or)		Biological Science	4	
HIST 1493 Am. History Since 1877	3	HPET 1223 Health and Wellness	3	
POLI 1113 American Government	3	SECOND SEMESTER	13	
HUMANITIES.....	6	ENGL 1213 English Composition II	3	
Recommended: ART 1113 Art Appreciation and MUSC 1113 Music Appreciation		HIST 1483 American History to 1877 (or)		
MATHEMATICS		HIST 1493 Am. History Since 1877	3	
MATH 1493 Math Applications (or)		ESCI 1214 Earth Science	4	
MATH 1513 College Algebra	3	SPCH 1713 Intro to Oral Communication	3	
SCIENCE		THIRD SEMESTER	16	
Biological Science	4	POLI 1113 American Government	3	
CHEM 1014 Concepts of Chemistry (or)		PSYC 1113 General Psychology	3	
CHEM 1314 General Chem I (or)		Science (gen ed elective)	4	
PHSC 1114 General Physical Sci (or)		MATH 2233 Elementary Math Structures	3	
ESCI 1214 Earth Science	4	LIT 2413 Intro to Literature	3	
COMPUTER SCIENCE		FOURTH SEMESTER	14	
BSAD 1113 Digital/Financial Literacy.....	3	MUSC 1113 (humanities elective)	3	
(or other approved computer course)		ART 1113 (humanities elective)	3	
ORIENTATION		GEOG 2253 World Regional Geography	3	
ORNT 1101 Freshman Orientation	1	Program electives	5	
GENERAL EDUCATION ELECTIVES.....	4			
(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.)		This is a suggested sequence timeline only. A student may require more than four semesters to complete an Associate in Arts degree.		
PROGRAM REQUIREMENTS.....	18			
PSYC 1113 General Psychology	3			
SPCH 1713 Intro to Oral Communications ..	3			
GEOG 2253 World Regional Geography.....	3			
HPET 1223 Health and Wellness	3			
LIT 2413 Intro to Literature	3			
MATH 2233 Elementary Math Structures	3			
RECOMMENDED PROGRAM ELECTIVES ...	5			
HPET 2212 First Aid	2			
Foreign Language				
ENGL 2233 Eng. Grammar for Educators ...	3			
MATH 1233 Probability and Statistics (or)				
MATH 2023 Elementary Statistics.....	3			
MATH 2243 Geometric Structures	3			
Substitutions may be made with prior approval.				
Courses needed as 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.				
TOTAL CREDIT HOURS.....	60			

English

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	37	FIRST SEMESTER	16	<p>Career and Educational Opportunities</p> <ul style="list-style-type: none"> Proofing Publishing Editing Teaching Writing Law School Graduate School
ENGLISH COMPOSITION		ENGL 1113 English Composition I	3	
ENGL 1113 English Composition I.....	3	BSAD 1113 Digital/Financial Literacy.....	3	
ENGL 1213 English Composition II	3	ORNT 1101 Freshman Orientation	1	
HISTORY AND GOVERNMENT		LIT 2413 Intro to Literature	3	
HIST 1483 American History to 1877 (or)		SPCH 1713 Intro to Oral Comm	3	
HIST 1493 Am. History Since 1877	3	MATH 1493 Math Applications	3	
POLI 1113 American Government	3	SECOND SEMESTER	16	
HUMANITIES		ENGL 1213 English Composition II	3	
Electives	6	HIST 1483 American History to 1877 (or)		
One 3-hour course to be chosen from those listed with International Dimension and 3 hours of humanities electives.		HIST 1493 American History Since 1877 ..	3	
MATHEMATICS		Humanities Elective	3	
MATH 1493 Math Applications (or)		LIT 2543 Survey British Lit. to 1800.....	3	
MATH 1513 College Algebra	3	Science Elective (Biological or Physical)	4	
SCIENCE		THIRD SEMESTER	15	
Two Sciences with Lab	8	ENGL 2413 Creative Writing	3	
COMPUTER SCIENCE		Humanities Elective	3	
BSAD 1113 Digital/Financial Literacy.....	3	LIT 2653 Survey British Lit. from 1800.....	3	
(or other approved computer course)		LIT 2773 Survey American Lit. to 1877	3	
ORIENTATION		POLI 1113 American Government	3	
ORNT 1101 Freshman Orientation	1	FOURTH SEMESTER.....	13	
GENERAL EDUCATION ELECTIVES.....	4	*Program/Gen Ed Electives	6	
Select courses from: Language Arts, Natural Sciences, Foreign Languages, Fine Arts, Humanities, Mathematics, Behavioral or Social Sciences		Science Elective (Biological or Physical).....	4	
PROGRAM REQUIREMENTS.....	15	LIT 2883 Survey American Lit. from 1877.....	3	
LIT 2413 Intro to Literature.....	3			
**LIT 2543 Survey Brit Lit. to 1800.....	3	This is a suggested sequence timeline only. A student may require more than four semesters to complete an Associate in Arts degree.		
**LIT 2653 Survey Brit Lit. from 1800.....	3			
**LIT 2773 Survey Am. Lit. to 1877.....	3			
**LIT 2883 Survey Am. Lit. from 1877.....	3			
RECOMMENDED PROGRAM ELECTIVES ...	8	*Hours from recommended program electives and general education electives in Language Arts may be combined for final 6 hours required to graduate.		
ENGL 2233 Eng. Grammar for Educators...3		**These program courses are typically offered only once a year. See course descriptions for fall or spring designations and plan accordingly.		
SPCH 1713 Intro to Oral Communications..3				
JOUR 2240 Publications Practicum.....1-2				
ENGL 2413 Creative Writing.....	3			
ENGL 2423 Intro. to Fiction Writing.....	3			
ENGL 2433 Intro. to Poetry Writing.....	3			
ENGL 2453 Intro. to Creative Nonfiction....3				
LIT 2113 Survey World Lit. Before 1650.....3				
LIT 2223 Survey World Lit. Since 1650.....3				
Foreign Language Electives.....	5			
TOTAL CREDIT HOURS.....	60			

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- MATH 0023 Concepts of Algebra
- MATH 0123 Intermediate Algebra
- ENGL 0123 Basic Composition
- READ 0123 Critical Content Reading and Scientific Reasoning

English – Creative Writing Option

PROGRAM REQUIREMENTS	CREDIT HOURS	SUGGESTED COURSE SEQUENCE	CREDIT HOURS	
GENERAL EDUCATION	37	FIRST SEMESTER	16	<p>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.</p> <p>Career and Educational Opportunities</p> <ul style="list-style-type: none"> Proofing Publishing Editing Teaching Writing Law School Graduate School <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 ACT test scores or by COMPASS test scores. These tests are administered in the Testing Center at NOC. Based upon the scores, some or all of the following four courses may need to be taken:</p> <ul style="list-style-type: none"> • MATH 0023 Concepts of Algebra • MATH 0123 Intermediate Algebra • ENGL 0123 Basic Composition • READ 0123 Critical Content Reading and Scientific Reasoning
ENGLISH COMPOSITION		ENGL 1113 English Composition I	3	
ENGL 1113 English Composition I.....	3	BSAD 1113 Digital/Financial Literacy.....	3	
ENGL 1213 English Composition II	3	ORNT 1101 Freshman Orientation	1	
HISTORY AND GOVERNMENT		MATH 1493 Math Applications	3	
HIST 1483 American History to 1877 (or)		SPCH 1713 Intro to Oral Communication	3	
HIST 1493 Am. History Since 1877	3	ENGL 2413 Creative Writing.....	3	
POLI 1113 American Government	3			
HUMANITIES		SECOND SEMESTER	16	
Electives	6	ENGL 1213 English Composition II	3	
One 3-hour course to be chosen from those listed with International Dimension and 3 hours of humanities electives.		HIST 1483 American History to 1877 (or)		
MATHEMATICS		HIST 1493 American History Since 1877	3	
MATH 1493 Math Applications (or)		LIT 2413 Intro to Literature	3	
MATH 1513 College Algebra	3	ENGL 2423 Intro to Fiction Writing	3	
SCIENCE		Science Elective (Biological or Physical).....	4	
Two Sciences with Lab	8	THIRD SEMESTER	16	
COMPUTER SCIENCE		POLI 1113 American Government	3	
BSAD 1113 Digital/Financial Literacy.....	3	Science Elective (Biological or Physical)	4	
(or other approved computer course)		Humanities Elective	3	
ORIENTATION		ENGL 2433 Intro to Poetry Writing.....	3	
ORNT 1101 Freshman Orientation	1	American, British, or World Lit Survey.....	3	
GENERAL EDUCATION ELECTIVES.....	4			
Select courses from: Language Arts, Natural Sciences, Foreign Languages, Fine Arts, Humanities, Mathematics, Behavioral or Social Sciences		FOURTH SEMESTER.....	12	
PROGRAM REQUIREMENTS.....	18	*Program/Gen Ed Electives	6	
ENGL 2413 Creative Writing.....	3	Humanities Elective	3	
LIT 2413 Intro to Literature.....	3	American, British, or World Lit Survey.....	3	
6 hours of Creative Writing electives				
6 hours of American, British, or World Lit survey courses		This is a suggested sequence timeline only. A student may require more than four semesters to complete an Associate in Arts degree.		
RECOMMENDED PROGRAM ELECTIVES... .5		*Hours from recommended program electives and general education electives in Language Arts may be combined for final 6 hours required to graduate.		
SPCH 1713 Intro to Oral Communications..	3			
JOUR 2240 Publications Practicum.....	2			
Foreign Language Electives.....	5			
TOTAL CREDIT HOURS.....	60			

**Enterprise Development
Business Administration Area of Emphasis**

<p>PROGRAM REQUIREMENTS</p> <p align="right">Credit Hours</p> <p>GENERAL EDUCATION 37</p> <p>ENGLISH COMPOSITION</p> <p>ENGL 1113 English Composition I 3</p> <p>ENGL 1213 English Composition II 3</p> <p>SPCH 1713 Intro. to Oral Comm..... 3</p> <p>HISTORY AND GOVERNMENT</p> <p>HIST 1483 American History to 1877 (or)</p> <p>HIST 1493 Am. History Since 1877 3</p> <p>POLI 1113 American Government 3</p> <p>HUMANITIES</p> <p>Electives 6</p> <p>MATHEMATICS</p> <p>MATH 1513 College Algebra* (or)</p> <p>MATH 1483 Math Functions 3</p> <p>SCIENCE (one must be a lab science)</p> <p>One Biological Science..... 3-4</p> <p>One Physical Science..... 3-4</p> <p>TECHNOLOGY AND LANGUAGE 6</p> <p>CS 1113 Computer Concepts (or)</p> <p>BSAD 1113 Digital/Financial Literacy</p> <p>Conversational Spanish or other world language elective</p> <p>PROGRAM REQUIREMENTS..... 23</p> <p>ACCT 2103 Accounting I-Financial 3</p> <p>ACCT 2203 Accounting II-Managerial 3</p> <p>BMGT 2240 Business Internship 3</p> <p>BMGT 2143 Marketing 3</p> <p>BSAD 2002 Business Seminar 2</p> <p>ECON 2113 Macroeconomic Principles 3</p> <p>ECON 2123 Macroeconomic Principles 3</p> <p>MATH 2023 Elementary Statistics..... 3</p> <p>TOTAL CREDIT HOURS..... 60</p> <p><small>* 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.</small></p>	<p>SUGGESTED COURSE SEQUENCE</p> <p align="right">Credit Hours</p> <p>FIRST SEMESTER</p> <p>ENGL 1113 English Composition I 3</p> <p>Computer Science elective 3</p> <p>HIST 1483 American History to 1877 (or)</p> <p>HIST 1493 American History Since 1877.3</p> <p>Humanities Elective 3</p> <p>MATH 1513 College Algebra 3</p> <p>SECOND SEMESTER</p> <p>ACCT 2103 Accounting I-Financial 3</p> <p>BMGT 2143 Marketing 3</p> <p>ENGL 1213 English Composition II 3</p> <p>ECON 2113 Macroeconomic Principles 3</p> <p>POLI 1113 American Government 3</p> <p>THIRD SEMESTER</p> <p>ACCT 2203 Accounting II-Managerial 3</p> <p>ECON 2123 Macroeconomic Principles 3</p> <p>SPCH 1713 Intro. to Oral Comm. 3</p> <p>Science Elective (Biological or Physical) 3</p> <p>Humanities Elective 3</p> <p>FOURTH SEMESTER</p> <p>Science Elective (Biological or Physical) 4</p> <p>MATH 2023 Elementary Statistics 3</p> <p>Language Elective 3</p> <p>Business Internship 3</p> <p>Business Seminar 2</p> <p>This is a suggested sequence timeline only. A student may require more than four semesters to complete this Associate in Arts degree.</p> <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 ACT test scores or by COMPASS test scores. These tests are administered in the Testing Center at NOC. Based upon the scores, some or all of the following four courses may need to be taken:</p> <ul style="list-style-type: none"> • MATH 0023 Concepts of Algebra • MATH 0123 Intermediate Algebra • ENGL 0123 Basic Composition • READ 0123 Critical Content Reading and Scientific Reasoning 	<p>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.</p> <p>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.</p> <p>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.</p>
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**Enterprise Development
General Studies Area of Emphasis**

<p>PROGRAM REQUIREMENTS</p> <p style="text-align: right;">Credit Hours</p> <p>GENERAL EDUCATION 37</p> <p>ENGLISH COMPOSITION</p> <p>ENGL 1113 English Composition I 3</p> <p>ENGL 1213 English Composition II 3</p> <p>SPCH 1713 Intro. to Oral Comm 3</p> <p>HISTORY AND GOVERNMENT</p> <p>HIST 1483 American History to 1877 (or)</p> <p>HIST 1493 Am. History Since 1877 3</p> <p>POLI 1113 American Government 3</p> <p>HUMANITIES</p> <p>Electives 6</p> <p>MATHEMATICS</p> <p>MATH 1513 College Algebra* (or)</p> <p>MATH 1483 Math Functions 3</p> <p>SCIENCE (one must be a lab science)</p> <p>One Biological Science..... 3-4</p> <p>One Physical Science..... 3-4</p> <p>TECHNOLOGY AND LANGUAGE 6</p> <p>CS 1113 Computer Concepts (or)</p> <p>BSAD 1113 Digital/Financial Literacy</p> <p>Conversational Spanish or other world language elective</p> <p>PROGRAM REQUIREMENTS..... 23</p> <p>ACCT 2103 Accounting I-Financial 3</p> <p>ACCT 2203 Accounting II-Managerial 3</p> <p>BMGT 2240 Business Internship 3</p> <p>BMGT 2143 Marketing 3</p> <p>BSAD 2002 Business Seminar 2</p> <p>ECON 2113 Macroeconomic Principles 3</p> <p>ECON 2123 Macroeconomic Principles 3</p> <p>MATH 2023 Elementary Statistics..... 3</p> <p>TOTAL CREDIT HOURS..... 60</p> <p><small>* 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.</small></p>	<p>SUGGESTED COURSE SEQUENCE</p> <p style="text-align: right;">Credit Hours</p> <p>FIRST SEMESTER 15</p> <p>ENGL 1113 English Composition I 3</p> <p>Computer Science elective 3</p> <p>HIST 1483 American History to 1877 (or)</p> <p>HIST 1493 American History Since 1877.3</p> <p>Humanities Elective 3</p> <p>MATH 1513 College Algebra 3</p> <p>SECOND SEMESTER 15</p> <p>ACCT 2103 Accounting I-Financial 3</p> <p>BMGT 2143 Marketing 3</p> <p>ENGL 1213 English Composition II 3</p> <p>ECON 2113 Macroeconomic Principles 3</p> <p>POLI 1113 American Government 3</p> <p>THIRD SEMESTER 15</p> <p>ACCT 2203 Accounting II-Managerial 3</p> <p>ECON 2123 Macroeconomic Principles 3</p> <p>SPCH 1713 Intro. to Oral Comm. 3</p> <p>Science Elective (Biological or Physical) 3</p> <p>Humanities Elective 3</p> <p>FOURTH SEMESTER 15</p> <p>Science Elective (Biological or Physical) 4</p> <p>MATH 2023 Elementary Statistics 3</p> <p>Language Elective 3</p> <p>Business Internship 3</p> <p>Business Seminar 2</p> <p>This is a suggested sequence timeline only. A student may require more than four semesters to complete this Associate in Arts degree.</p> <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 ACT test scores or by COMPASS test scores. These tests are administered in the Testing Center at NOC. Based upon the scores, some or all of the following four courses may need to be taken:</p> <ul style="list-style-type: none"> • MATH 0023 Concepts of Algebra • MATH 0123 Intermediate Algebra • ENGL 0123 Basic Composition • READ 0123 Critical Content Reading and Scientific Reasoning 	<p>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).</p> <p>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.</p> <p>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.</p>
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Music

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. 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.
	Credit Hours		Credit Hours	
GENERAL EDUCATION	37	FIRST SEMESTER	17	<p>Recommended if needed to meet proficiency: MUSC 1721 Applied Piano-Class II 1</p> <p>THIRD SEMESTER</p> <p>16 POLI 1113 American Government 3 Science Elective (Biological or Physical) 4 Humanities Elective 3 MUSC 1110 Recital Attendance 0 MUSC 2131 Ear Training/Sight Singing III ... 1 MUSC 2133 Music Theory III 3 MUSC 2631 Vocal Ensemble (or) MUSC2611 Instrumental Ensemble 1 Private Area of Study 1</p> <p>Recommended if needed to meet proficiency: MUSC 1731 Applied Piano-Class III 1</p> <p>FOURTH SEMESTER</p> <p>14 Science Elective (Biological or Physical) 4 MUSC 1110 Recital Attendance 0 MUSC 2131 Ear Training/Sight Singing IV ... 1 MUSC 2133 Music Theory IV 3 General Education Electives 4</p> <p>(Music majors advised to choose general education electives from Fine Arts electives as add-ons recommended above or from selections below): Private Area of Study 1 MUSC 2631 Vocal Ensemble (or) MUSC 2611 Instrumental Ensemble MUSC 1741 Applied Piano-Class IV 1</p> <p>This is a suggested sequence timeline only. A student may require more than four semesters to complete an Associate in Arts degree.</p>
ENGLISH COMPOSITION		ENGL 1113 English Composition I	3	
ENGL 1113 English Composition I	3	MATH 1493 Math Applications	3	
ENGL 1213 English Composition II	3	ORNT 1101 Freshman Orientation	1	
HISTORY AND GOVERNMENT		MUSC 1113 (Humanities Elective)	3	
HIST 1483 American History to 1877 (or)		MUSC 1110 Recital Attendance	0	
HIST 1493 Am. History Since 1877	3	MUSC 1131 Ear Training/Sight Singing I	1	
POLI 1113 American Government	3	MUSC 1133 Music Theory I	3	
HUMANITIES		MUSC 2631 Vocal Ensemble (or)		
Electives	6	MUSC 2611 Instrumental Ensemble	1	
One 3-hour course to be chosen from those listed with International Dimension and 3 hours of humanities electives.		Private Area of Study	1	
MATHEMATICS		MUSC 1711 Applied Piano-Class I	1	
MATH 1493 Math Applications (or)		SECOND SEMESTER	15	
MATH 1513 College Algebra	3	ENGL 1213 English Composition II	3	
SCIENCE		HIST 1483 American History to 1877 (or)		
Two Sciences with Lab	8	HIST 1493 Am. History Since 1877	3	
COMPUTER SCIENCE		CS 1113 Computer Concepts	3	
CS 1113 Computer Concepts	3	MUSC 1110 Recital Attendance	0	
(or other approved computer course)		MUSC 1141 Ear Training/Sight Singing II	1	
ORIENTATION		MUSC 1143 Music Theory II	3	
ORNT 1101 Freshman Orientation	1	MUSC 2631 Vocal Ensemble (or)		
GENERAL EDUCATION ELECTIVES	4	MUSC 2611 Instrumental Ensemble	1	
Select courses from: Language Arts, Natural Sciences, Foreign Languages, Fine Arts, Humanities, Mathematics, Behavioral or Social Sciences		Private Area of Study	1	
Music majors are encouraged to take 4 hours from electives listed below.		Recommended if needed to meet proficiency:		
PROGRAM REQUIREMENTS	16	MUSC 1721 Applied Piano-Class II	1	
MUSC 1131 Ear Training/Sight Singing I	1	THIRD SEMESTER	16	
MUSC 1133 Music Theory I	3	POLI 1113 American Government	3	
MUSC 1141 Ear Training/Sight Singing II ...	1	Science Elective (Biological or Physical)	4	
MUSC 1143 Music Theory II	3	Humanities Elective	3	
MUSC 2131 Ear Training/Sight Singing III ..	1	MUSC 1110 Recital Attendance	0	
MUSC 2133 Music Theory III	3	MUSC 2131 Ear Training/Sight Singing III ...	1	
MUSC 2141 Ear Training/Sight Singing IV ..	1	MUSC 2133 Music Theory III	3	
MUSC 2143 Music Theory IV	3	MUSC 2631 Vocal Ensemble (or)		
MUSC 1110 Recital Attendance	0	MUSC2611 Instrumental Ensemble	1	
RECOMMENDED PROGRAM ELECTIVES ..	7	Private Area of Study	1	
MUSC 1513 Music Literature	3	Recommended if needed to meet proficiency:		
Area of Concentration—		MUSC 1731 Applied Piano-Class III	1	
Private Voice or Instrument	4-8	FOURTH SEMESTER	14	
(Senior institutions will require 8 hours of lower division private instruction.)		Science Elective (Biological or Physical)	4	
Applied Piano Class*, Concert Band**, Vocal Ensemble/College Choir**, Applied Instrument Class (WW/Br/Per).		MUSC 1110 Recital Attendance	0	
*Most Senior institutions require music majors to enroll in Piano Class until a proficiency test is passed.		MUSC 2131 Ear Training/Sight Singing IV ...	1	
**Ensembles may be repeated, but each ensemble will only count once towards graduation.		MUSC 2133 Music Theory IV	3	
TOTAL CREDIT HOURS	60	General Education Electives	4	

Career Opportunities

Composition
Entertainment
Instrumental Repair
Music Education
Music Performance
Music Store Owner
Music Therapy
Piano Tuning
Studio Arts

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 ACT test scores or by COMPASS test scores. These tests are administered in the Testing Center at NOC. Based upon the scores, some or all of the following four courses may need to be taken:

- MATH 0023 Concepts of Algebra
- MATH 0123 Intermediate Algebra
- ENGL 0123 Basic Composition
- READ 0123 Critical Content Reading and Scientific Reasoning

Music - Music Theatre Option

PROGRAM REQUIREMENTS	SUGGESTED COURSE SEQUENCE	
<p style="text-align: right;">Credit Hours</p> <p>GENERAL EDUCATION 37</p> <p>ENGLISH COMPOSITION</p> <p>ENGL 1113 English Composition I..... 3</p> <p>ENGL 1213 English Composition II3</p> <p>HISTORY AND GOVERNMENT</p> <p>HIST 1483 American History to 1877 (or)</p> <p>HIST 1493 Am. History Since 18773</p> <p>POLI 1113 American Government3</p> <p>HUMANITIES</p> <p>Electives 6</p> <p>One 3-hour course to be chosen from those listed with International Dimension and 3 hours of humanities electives.</p> <p>Recommended: THTR 1223 Intro to Theatre</p> <p>MATHEMATICS</p> <p>MATH 1493 Math Applications (or)</p> <p>MATH 1513 College Algebra 3</p> <p>SCIENCE</p> <p>Two Sciences with Lab 8</p> <p>COMPUTER SCIENCE</p> <p>CS 1113 Computer Concepts 3</p> <p>(or other approved computer course)</p> <p>ORIENTATION</p> <p>ORNT 1101 Freshman Orientation 1</p> <p>GENERAL EDUCATION ELECTIVES..... 4</p> <p>Select courses from: Language Arts, Natural Sciences, Foreign Languages, Fine Arts, Humanities, Mathematics, Behavioral or Social Sciences</p> <p>PROGRAM REQUIREMENTS..... 19</p> <p>MUSC 1131 Ear Training/Sight Singing I 1</p> <p>MUSC 1133 Music Theory I..... 3</p> <p>MUSC 1141 Ear Training/Sight Singing II 1</p> <p>MUSC 1143 Music Theory II..... 3</p> <p>THTR 1213 Beginning Acting 3</p> <p>THTR 1243 Stagecraft I..... 3</p> <p>THTR 1262 Stage Makeup 2</p> <p>THTR 2213 Intermediate Acting..... 3</p> <p>RECOMMENDED PROGRAM ELECTIVES... 4</p> <p>THTR 1223 Intro to Theatre 3</p> <p>THTR 2963 Stage Lighting I 3</p> <p>THTR 2973 Stage Lighting II 3</p> <p>MUSC/THTR Activity 1</p> <p>THTR 2243 Stagecraft II 3</p> <p>MUSC 1003 Fundamentals of Music..... 3</p> <p>MUSC 1513 Music Literature..... 3</p> <p>Concert Band, Vocal Ensemble/College Choir, Applied Instrument Class (WW/Br/Per)</p> <p>Ensembles may be repeated, but each ensemble will only count once towards graduation</p> <p>TOTAL CREDIT HOURS..... 60</p>	<p style="text-align: right;">Credit Hours</p> <p>FIRST SEMESTER 17</p> <p>ENGL 1113 English Composition I 3</p> <p>MATH 1493 Math Applications 3</p> <p>ORNT 1101 Freshman Orientation 1</p> <p>THTR 1213 Beginning Acting 3</p> <p>MUSC 1110 Recital Attendance 0</p> <p>MUSC 1131 Ear Training/Sight Singing I 1</p> <p>MUSC 1133 Music Theory I 3</p> <p>MUSC 1711 Applied Piano-Class I 1</p> <p>MUSC 2631 Vocal Ensemble (or)</p> <p>MUSC 2611 Instrumental Ensemble 1</p> <p>Private Area of Study 1</p> <p>SECOND SEMESTER 14</p> <p>ENGL 1213 English Composition II 3</p> <p>CS 1113 Computer Concepts 3</p> <p>THTR 2213 Intermediate Acting 3</p> <p>MUSC 1110 Recital Attendance 0</p> <p>MUSC 1141 Ear Training/Sight Singing II ... 1</p> <p>MUSC 1143 Music Theory II 3</p> <p>MUSC 2631 Vocal Ensemble (or)</p> <p>MUSC 2611 Instrumental Ensemble 1</p> <p>Most music theatre majors will also need courses below for proficiency upon transfer:</p> <p>MUSC 1721 Applied Piano-Class II 1</p> <p>Private Area of Study 1</p> <p>THIRD SEMESTER 15</p> <p>POLI 1113 American Government 3</p> <p>Science Elective (Biological or Physical) 4</p> <p>Humanities Elective 3</p> <p>THTR 1262 Stage Makeup 2</p> <p>THTR 1243 Stagecraft I 3</p> <p>MUSC 1110 Recital Attendance 0</p> <p>Most music theatre majors will also need courses below for proficiency upon transfer, but each ensemble counts only once toward graduation.</p> <p>MUSC 2631 Vocal Ensemble (or)</p> <p>MUSC 2611 Instrumental Ensemble 1</p> <p>Private Area of Study 1</p> <p>FOURTH SEMESTER 14</p> <p>Humanities Elective 3</p> <p>Science Elective (Biological or Physical) 4</p> <p>HIST 1483 American History to 1877 (or)</p> <p>HIST 1493 Am. History Since 1877 3</p> <p>MUSC 1110 Recital Attendance 0</p> <p>Program/Gen Ed electives..... 4</p> <p>Most music theatre majors will also need courses below for proficiency upon transfer.</p> <p>MUSC 2631 Vocal Ensemble (or)</p> <p>MUSC 2611 Instrumental Ensemble 1</p> <p>Private Area of Study 1</p> <p>This is a suggested sequence timeline only. A student may require more than four semesters to complete an Associate in Arts degree.</p>	<p>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.</p> <p>The Music Theatre degree is designed for those interested in a career in the ever expanding music and entertainment industry.</p> <p>Career Opportunities</p> <p>Actor</p> <p>Costume Designer</p> <p>Entertainer</p> <p>Lighting Designer</p> <p>Makeup Artist</p> <p>Music Education</p> <p>Music Teacher</p> <p>Stagecraft</p> <p>Voice Coach</p> <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 ACT test scores or by COMPASS test scores. These tests are administered in the Testing Center at NOC. Based upon the scores, some or all of the following four courses may need to be taken:</p> <ul style="list-style-type: none"> • MATH 0023 Concepts of Algebra • MATH 0123 Intermediate Algebra • ENGL 0123 Basic Composition • READ 0123 Critical Content Reading and Scientific Reasoning

Social Science

PROGRAM REQUIREMENTS	CREDIT HOURS	SUGGESTED COURSE SEQUENCE	CREDIT HOURS
GENERAL EDUCATION	37	FIRST SEMESTER	16
ENGLISH COMPOSITION		ENGL 1113 English Composition I	3
ENGL 1113 English Composition I.....	3	BSAD 1113 Digital/Financial Literacy.....	3
ENGL 1213 English Composition II	3	ORNT 1101 Freshman Orientation	1
HISTORY AND GOVERNMENT		MATH 1493 Math Applications..	3
HIST 1483 American History to 1877 (or)		PSYC 1113 General Psychology	3
HIST 1493 Am. History since 1877	3	POLI 1113 American Government	3
POLI 1113 American Government	3		
HUMANITIES		SECOND SEMESTER	15
Electives.....	6	ENGL 1213 English Composition II	3
One 3-hour course to be chosen from		HIST 1483 American History to 1877 (or)	
those listed with International Dimension		HIST 1493 Am. History since 1877	3
and 3 hours of humanities electives.		SOCI 1113 Principles of Sociology	3
Recommended: HIST 1113, 1223 or		Recommended Program Elective	3
ANTH 2363		History designated humanities elective	3
MATHEMATICS			
MATH 1493 Math Applications(or)		THIRD SEMESTER	16
MATH 1513 College Algebra	3	GEOG 2253 World Regional Geography	3
SCIENCE		Science Elective (Biological or Physical)	4
Two Sciences with Lab	8	Humanities elective	3
COMPUTER SCIENCE		HIST 1483 American History to 1877 (or)	
BSAD 1113 Digital/Financial Literacy.....	3	HIST 1493 American History since 1877	3
(or other approved computer course)		Recommended Program Elective	3
ORIENTATION			
ORNT 1101 Freshman Orientation	1	FOURTH SEMESTER.....	13
GENERAL EDUCATION ELECTIVES.....	4	*Program/Gen Ed Electives	9
Select courses from Fine Arts, Foreign		Science Elective (Biological or Physical)	4
Languages, Humanities, Mathematics, Language			
Arts, Natural Sciences, Behavioral or Social			
Sciences			
PROGRAM REQUIREMENTS.....	12		
PSYC 1113 General Psychology.....	3		
SOCI 1113 Principles of Sociology.....	3		
HIST 1483 Am. History to 1877 (or)			
HIST 1493 Am. History since 1877	3		
(with other taken as part of Gen Ed above)			
GEOG 2253 World Regional Geography.	3		
Substitutions may be made with prior approval.			
PROGRAM ELECTIVES.....	11-12		
CRMJ 1113 Criminal Justice.....	3		
ECON 2113 Macroeconomic Principles	3		
ECON 2123 Microeconomic Principles	3		
HIST Any Additional History	3		
POLI 2113 Comparative Political Issues.....	3		
SOCI 2223 Social Problems	3		
SOCI 2273 Marriage/Family.....	3		
SPCH 1713 Intro to Oral Communication....	3		
HPET 1113, 1223, or 2212.....	2-3		
Note: Consideration should be given to foreign			
language and additional humanities to meet the			
requirements of many baccalaureate degrees.			
TOTAL CREDIT HOURS.....	60		

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.

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.

Career Opportunities

Business
Counselor
Social Services
Teacher
Researcher

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 ACT test scores or by COMPASS test scores. These tests are administered in the Testing Center at NOC. Based upon the scores, some or all of the following four courses may need to be taken:

- MATH 0023 Concepts of Algebra
- MATH 0123 Intermediate Algebra
- ENGL 0123 Basic Composition
- READ 0123 Critical Content Reading and Scientific Reasoning

Social Science - Behavioral Science Option

PROGRAM REQUIREMENTS	CREDIT HOURS	SUGGESTED COURSE SEQUENCE	CREDIT HOURS	
GENERAL EDUCATION	37	FIRST SEMESTER	16	<p>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.</p> <p>The social sciences, in general, 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.</p> <p>Career Opportunities</p> <ul style="list-style-type: none"> Business Counselor Social Services Psychologist Forensics Community Health Educational Psychology Research <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 ACT test scores or by COMPASS test scores. These tests are administered in the Testing Center at NOC. Based upon the scores, some or all of the following four courses may need to be taken:</p> <ul style="list-style-type: none"> • MATH 0023 Concepts of Algebra • MATH 0123 Intermediate Algebra • ENGL 0123 Basic Composition • READ 0123 Critical Content Reading and Scientific Reasoning
ENGLISH COMPOSITION		ENGL 1113 English Composition I	3	
ENGL 1113 English Composition I.....	3	BSAD 1113 Digital/Financial Literacy.....	3	
ENGL 1213 English Composition II.....	3	ORNT 1101 Freshman Orientation.....	1	
HISTORY AND GOVERNMENT		MATH 1513 College Algebra.....	3	
HIST 1483 American History to 1877 (or)		PSYC 1113 General Psychology.....	3	
HIST 1493 Am. History Since 1877	3	POLI 1113 American Government.....	3	
POLI 1113 American Government	3	SECOND SEMESTER	16	
HUMANITIES		ENGL 1213 English Composition II	3	
Electives	6	HIST 1483 American History to 1877 (or)		
One 3-hour course to be chosen from		HIST 1493 Am. History Since 1877	3	
those listed with International Dimension		Science Elective (Biological or Physical)	4	
and 3 hours of humanities electives.		SOCI 1113 Principles of Sociology.....	3	
Recommended: PHIL 2213 Ethics		Recommended Program Elective	3	
MATHEMATICS		THIRD SEMESTER.....	16	
MATH 1513 College Algebra	3	SOCI 2223 Social Problems.....	3	
SCIENCE		Science Elective (Biological or Physical)	4	
Two Sciences with Lab	8	PHIL 2213 (humanities elective).....	3	
COMPUTER SCIENCE		Recommended Program Electives	6	
BSAD 1113 Digital/Financial Literacy.....	3	FOURTH SEMESTER.....	13	
(or other approved computer course)		PSYC 2233 Social Psychology	3	
ORIENTATION		*Program/Gen Ed Electives.....	7	
ORNT 1101 Freshman Orientation.....	1	Humanities Elective	3	
GENERAL EDUCATION ELECTIVES.....	4			
Select courses from: Language Arts,		This is a suggested sequence timeline only.		
Natural Sciences, Foreign Languages,		A student may require more than four		
Fine Arts, Humanities, Mathematics,		semesters to complete an Associate in Arts		
Behavioral or Social Sciences		degree.		
PROGRAM REQUIREMENTS.....	12	*Hours from recommended program electives		
PSYC 1113 General Psychology	3	and general education electives in Social		
SOCI 1113 Principles of Sociology	3	Sciences may be combined for final 7 hours		
PSYC 2233 Social Psychology	3	required to graduate.		
SOCI 2223 Social Problems	3			
Substitutions may be made with prior approval.				
PROGRAM ELECTIVES	11-12			
MATH 2023 Elementary Statistics.....	3			
PSYC 2213 Developmental Psychology.....	3			
PSYC 2113 Human Sexuality	3			
SOCI 2273 Marriage and Family.....	3			
CRMJ 1113 Intro to Criminal Justice	3			
CRMJ 2233 Juvenile Delinquency.....	3			
PSYC 2333 Intro to Addictive Behaviors	3			
SPCH 1713 Intro to Oral Communication	3			
HPET 1113, 1223, 2212.....	2-3			
Consideration should be given to select foreign				
language and additional humanities to meet the				
requirements of many baccalaureate degrees.				
TOTAL CREDIT HOURS.....	60			

Administration and Management of Child Care Programs Certificate

<p>PROGRAM REQUIREMENTS</p> <p style="text-align: right;">Credit Hours</p> <p>GENERAL EDUCATION 3</p> <p>ENGLISH COMPOSITION</p> <p>ENGL 1113 English Composition I..... 3</p> <p>PROGRAM REQUIREMENTS..... 18</p> <p>CD 1023 Introduction to Early Childhood Education 3</p> <p>CD 1053 Child Health, Safety & Nutrition... 3</p> <p>CD 2013 Behavior, Development and Guidance of Children 3</p> <p>CD 2143 Preschool Programming 3</p> <p>CD 2243 Infant/Toddler Programming..... 3</p> <p>CD 2313 Adm and Mgmt of Child Care Programs 3</p> <p>CHILD DEVELOPMENT ELECTIVE 3 (Choose one of the following)</p> <p>CD 1043 Children’s Music, Movement, Arts. 3</p> <p>CD 2023 Children with Special Needs..... 3</p> <p>CD 2033 Children’s Language Arts and Literature 3</p> <p>CD 2043 Child & Family in Society 3</p> <p>BUSINESS ELECTIVE..... 3 (Choose one of the following)</p> <p>ACCT 1203 Fundamentals of Accounting.. 3</p> <p>BMGT 2233 Human Resource Dev..... 3</p> <p>BMGT 2263 Principles of Management..... 3</p> <p>BSAD 1103 Introduction to Business 3</p> <p>BSAD 1113 Digital & Financial Literacy..... 3</p> <p>CS 1113 Computer Concepts 3</p> <p>Note: BSAD 1113 and CS 1113 are general education requirements toward an Associate degree so have an added advantage for students planning to complete that degree.</p> <p>TOTAL CREDIT HOURS..... 27</p>	<p>SUGGESTED COURSE SEQUENCE</p> <p style="text-align: right;">Credit Hours</p> <p>FIRST SEMESTER 15</p> <p>ENGL 1113 English Composition I 3</p> <p>Business Elective..... 3</p> <p>CD 1023 Introduction to Early Childhood Education 3</p> <p>CD 1053 Child Health and Nutrition 3</p> <p>CD 2143 Preschool Programming 3</p> <p>SECOND SEMESTER 12</p> <p>CD 2013 Behavior, Development and Guidance of Children 3</p> <p>CD 2243 Infant/Toddler Programming 3</p> <p>CD 2313 Admin and Mgmt of Child Care Programs..... 3</p> <p>Child Development Elective 3</p> <p>This is a suggested sequence timeline only. A student may require more than two semesters to complete the certificate depending upon enrollment status and remediation coursework that may be required as prerequisites.</p>	<p>The Certificate in Administration and Management of Child Care Programs has been developed to prepare a person to work in the childcare field by completing hours required for the Oklahoma Director’s Certificate (ODC). As an embedded certificate within the Associate Degree in Child Development, 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.</p> <p>Note: A CDA certificate from a Technology Center must be submitted to the Registrar in order to receive six hours of college credit from NOC within the CD program requirements.</p> <p>Career Opportunities</p> <ul style="list-style-type: none"> Child Care Center Director Child Care Center Master Teacher Headstart Staff Public School Teacher's Aide <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 ACT test scores or by COMPASS test scores. These tests are administered in the Testing Center at NOC. Based upon the scores, some or all of the following four (4) courses may need to be taken:</p> <ul style="list-style-type: none"> • MATH 0023 Concepts of Algebra • MATH 0123 Intermediate Algebra • ENGL 0123 Basic Composition • READ 0123 Critical Content Reading and Scientific Reasoning
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NORTHERN
Oklahoma College
TONKAWA | ENID | STILLWATER

Associate in Science Degrees

(Individual degree sheets follow listing below)

- Agricultural Sciences
- 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

<p>PROGRAM REQUIREMENTS</p> <p style="text-align: right;">Credit Hours</p> <p>GENERAL EDUCATION 37</p> <p>ENGLISH COMPOSITION</p> <p>ENGL 1113 English Composition I 3</p> <p>ENGL 1213 English Composition II 3</p> <p>HISTORY AND GOVERNMENT</p> <p>HIST 1483 American History to 1877 (or)</p> <p>HIST 1493 Am. History Since 1877 3</p> <p>POLI 1113 American Government 3</p> <p>HUMANITIES</p> <p>Electives..... 6</p> <p>One 3-hour course to be chosen from those listed with International Dimension and 3 hours of humanities electives.</p> <p>MATHEMATICS</p> <p>MATH 1513 College Algebra (or)</p> <p>MATH 1493 Math Applications 3</p> <p>SCIENCE</p> <p>BISI 1114 General Biology (or)</p> <p>BISI 1124 Gen Bio for Majors 4</p> <p>CHEM 1314 General Chemistry (or)</p> <p>CHEM 1014 Concepts of Chemistry 4</p> <p>COMPUTER SCIENCE</p> <p>BSAD 1113 Digital/Financial Literacy 3</p> <p>(or other approved computer course)</p> <p>ORIENTATION</p> <p>ORNT 1101 Freshman Orientation 1</p> <p>GENERAL EDUCATION ELECTIVES 4</p> <p>Select courses from: Language Arts, Natural Sciences, Foreign Languages, Fine Arts, Humanities, Mathematics, Behavioral or Social Sciences.</p> <p>It is advised that if a student takes a <u>three</u> 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.</p> <p>PROGRAM REQUIREMENTS 16</p> <p>**AGRI 1113 Agricultural Economics 3</p> <p>**AGRI 1124 Intro to Animal Science 4</p> <p>**AGRI 1223 Intro to Plant/Soil Science 3</p> <p>**AGRI 2124 Fund of Soil Science.....4</p> <p>**AGRI 2222 Live Animal Evaluation 2</p> <p>Substitutions may be made with prior approval.</p> <p>RECOMMENDED PROGRAM ELECTIVES... 7</p> <p>**BISI 1314 General Botany 4</p> <p>**BISI 1414 General Zoology 4</p> <p>**BISI 2024 Entomology..... 4</p> <p>SPCH 1713 Intro to Oral Communication.... 3</p> <p>ACCT 2103 Accounting I-Financial 3</p> <p>ACCT 2203 Accounting II-Managerial 3</p> <p>AGRI 1013 Introduction to Horticulture 3</p> <p>**AGRI 2103 Agriculture Leadership 3</p> <p>**AGRI 2123 Livestock Feeding 3</p> <p>**AGRI 2222 Live Animal Evaluation 2</p> <p>AGRI 2523 Intro to Sheep Prod. & Mgmt.....3</p> <p>MATH 2023 Elementary Statistics 3</p> <p>TOTAL CREDIT HOURS 60</p>	<p>SUGGESTED COURSE SEQUENCE</p> <p style="text-align: right;">Credit Hours</p> <p>FIRST SEMESTER 15</p> <p>ENGL 1113 English Composition I 3</p> <p>ORNT 1101 Freshman Orientation 1</p> <p>MATH 1513 College Algebra 3</p> <p>AGRI 1124 Intro to Animal Sciences 4</p> <p>BISI 1114 General Biology (or)</p> <p>BISI 1124 Gen Bio for Majors..... 4</p> <p>SECOND SEMESTER 16</p> <p>ENGL 1213 English Composition II 3</p> <p>HIST 1483 American History to 1877 (or)</p> <p>HIST 1493 American History Since 1877 3</p> <p>BSAD 1113 Digital/Financial Literacy 3</p> <p>CHEM 1314 or CHEM 1014 4</p> <p>SPCH 1713 (program elective)..... 3</p> <p>THIRD SEMESTER 14</p> <p>Humanities Elective 3</p> <p>POLI 1113 American Government 3</p> <p>AGRI 1113 Agricultural Economics 3</p> <p>AGRI 1223 Intro to Plant/Soil Science 3</p> <p>AGRI 2222 Live Animal Evaluation 2</p> <p>FOURTH SEMESTER 15</p> <p>Humanities Elective 3</p> <p>AGRI 2124 Fundamentals of Soil Science 4</p> <p>*Program/Gen Ed Electives 8</p> <p>This is a suggested sequence timeline only. A student may require more than four semesters to complete this Associate in Science degree.</p> <p>*Hours from recommended program electives and general education electives in Science may be combined for final 8 hours required to graduate.</p> <p>**These program courses are typically offered only once a year. See course descriptions for fall or spring designations and plan accordingly.</p> <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 ACT test scores or by COMPASS test scores. These tests are administered in the Testing Center at NOC. Based upon the scores, some or all of the following four courses may need to be taken:</p> <ul style="list-style-type: none"> • MATH 0023 Concepts of Algebra • MATH 0123 Intermediate Algebra • ENGL 0123 Basic Composition • READ 0123 Critical Content Reading and Scientific Reasoning 	<p>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, plant production, agribusiness, food science, and agriculture education for transfer to four-year institutions. The foundations of scientific- and business-based agricultural practices are explored.</p> <p>Career Opportunities:</p> <p style="text-align: center;">Animal Production</p>
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Arts and Sciences

<p>PROGRAM REQUIREMENTS</p> <p style="text-align: right;">Credit Hours</p> <p>GENERAL EDUCATION 37</p> <p>ENGLISH COMPOSITION</p> <p>ENGL 1113 English Composition I..... 3</p> <p>ENGL 1213 English Composition II 3</p> <p>HISTORY AND GOVERNMENT</p> <p>HIST 1483 American History to 1877 (or)</p> <p>HIST 1493 Am. History Since 1877 3</p> <p>POLI 1113 American Government 3</p> <p>HUMANITIES</p> <p>Electives 6</p> <p>One 3-hour course to be chosen from those listed with International Dimension and 3 hours of humanities electives.</p> <p>MATHEMATICS</p> <p>MATH 1493 Math Applications(or)</p> <p>MATH 1513 College Algebra 3</p> <p>SCIENCE</p> <p>One Biological Science with Lab 4</p> <p>One Physical Science with Lab 4</p> <p>COMPUTER SCIENCE</p> <p>BSAD 1113 Digital/Financial Literacy..... 3 (or other approved computer course)</p> <p>ORIENTATION</p> <p>ORNT 1101 Freshman Orientation 1</p> <p>GENERAL EDUCATION ELECTIVES..... 4</p> <p>Select courses from: Language Arts, Natural Sciences, Foreign Languages, Fine Arts, Humanities, Mathematics, Behavioral or Social Sciences</p> <p>PROGRAM REQUIREMENTS..... 23</p> <p>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.</p> <p>TOTAL CREDIT HOURS..... 60</p>	<p>SUGGESTED COURSE SEQUENCE</p> <p style="text-align: right;">Credit Hours</p> <p>FIRST SEMESTER 15</p> <p>ENGL 1113 English Composition I 3</p> <p>BSAD 1113 Digital/Financial Literacy..... 3</p> <p>ORNT 1101 Freshman Orientation 1</p> <p>Program Requirement Courses 4</p> <p>DEVS 1112 World of Work 2</p> <p>SECOND SEMESTER 15</p> <p>ENGL 1213 English Composition II 3</p> <p>HIST 1483 American History to 1877 (or)</p> <p>HIST 1493 American History Since 1877 3</p> <p>MATH 1493 Math Applications(or)</p> <p>MATH 1513 College Algebra 3</p> <p>Program Requirement Courses 6</p> <p>THIRD SEMESTER 16</p> <p>POLI 1113 American Government 3</p> <p>Science Elective (Biological or Physical) 4</p> <p>Humanities Elective 3</p> <p>Program Requirement Course 6</p> <p>FOURTH SEMESTER..... 14</p> <p>General Education Elective 4</p> <p>Humanities Elective 3</p> <p>Science Elective (Biological or Physical) 4</p> <p>Program Requirement Courses 3</p> <p>This is a suggested sequence timeline only. A student may require more than four semesters to complete this Associate in Science degree.</p>	<p>This 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.</p> <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 ACT test scores or by COMPASS test scores. These tests are administered in the Testing Center at NOC. Based upon the scores, some or all of the following four courses may need to be taken:</p> <ul style="list-style-type: none"> • MATH 0023 Concepts of Algebra • MATH 0123 Intermediate Algebra • ENGL 0123 Basic Composition • READ 0123 Critical Content Reading and Scientific Reasoning
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Arts and Sciences – International Studies Option

PROGRAM REQUIREMENTS

	Credit Hours	
GENERAL EDUCATION	37	
ENGLISH COMPOSITION		
ENGL 1113 English Composition I.....	3	
ENGL 1213 English Composition II	3	
HISTORY AND GOVERNMENT		
HIST 1483 American History to 1877 (or)		
HIST 1493 Am. History Since 1877	3	
POLI 1113 American Government	3	
HUMANITIES		
HUMN 2113 Ancient Western Culture (Or)		
HUMN 2223 Modern Western Culture.....	3	
Humanities elective.....	3	
MATHEMATICS		
Math 1483 Math Functions (or)		
MATH 1493 Math Applications (or)		
MATH 1513 College Algebra	3	
SCIENCE		
One Biological Science with Lab	4	
One Physical Science	4	
COMPUTER SCIENCE		
BSAD 1113 Digital/Financial Literacy.....	3	
(or other approved computer course)		
ORIENTATION		
ORNT 1101 Freshman Orientation	1	
GENERAL EDUCATION ELECTIVES		4
Select courses from: Language Arts, Natural Sciences, Foreign Languages, Fine Arts, Humanities, Mathematics, Behavioral or Social Sciences.		
PROGRAM REQUIREMENTS	12	
GEOG 2253 World Regional Geography	3	
HUMN 1113 World Religions.....	3	
HIST 1713 History of Eastern Civilization.....	3	
LIT 2113 World Literature to 1650 (or)		
LIT 2223 World Lit since 1650.....	3	
Substitutions may be made with prior approval.		
RECOMMENDED PROGRAM ELECTIVES	11	
Any GLOBL course*.....	3	
Courses offered on NOC Study Abroad*.....	1-6	
ECON 2113 Macroeconomic Principles	3	
SOCI 1113 Principles of Sociology.....	3	
SOCI 2223 Social Problems	3	
ANTH 2353 General Anthropology.....	3	
HIST 1113 History of Ancient World Civ.....	3	
HIST 1223 History of Modern World Civ.....	3	
Foreign Language.....	5-10	
*Participation in a study abroad program and a Foreign Language are highly recommended		
TOTAL CREDIT HOURS	60	

SUGGESTED COURSE SEQUENCE

	Credit Hours	
FIRST SEMESTER		15
ENGL 1113 English Composition I	3	
MATH 1493 Math Applications (or)		
MATH 1513 College Algebra	3	
ORNT 1101 Freshman Orientation	1	
HIST 1483 American History to 1877 (or)		
HIST 1493 Am. History Since 1877	3	
Foreign Language I.....	5	
SECOND SEMESTER		15
ENGL 1213 English Composition II	3	
POLI 1113 American Government	3	
Foreign Language II.....	5	
Science Requirement	4	
THIRD SEMESTER		16
HUMN 1113 World Religions.....	3	
HIST 1713 History of Eastern Civ.....	3	
HUMN 2223 Modern Western Culture (or)		
HUMN 2223 Ancient Western Culture.....	3	
BSAD 1113 Digital/Financial Literacy.....	3	
Science Req. (Biological or Physical)	4	
FOURTH SEMESTER		14
GEOG 2253 World Regional Geography	3	
LIT 2223 World Lit since 1650.....	3	
HUMN elective	3	
Program/Gen Ed Electives	5	

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

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 associate and bachelor's degree programs.

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.

A short-term study abroad experience provided by NOC also is highly recommended as is the study of a foreign language.

Career Opportunities

- Business
- Government
- Non-Governmental Orgs
- Teacher
- Researcher

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 ACT test scores or by COMPASS test scores. These tests are administered in the Testing Center at NOC. Based upon the scores, some or all of the following four courses may need to be taken:

- MATH 0023 Concepts of Algebra
- MATH 0123 Intermediate Algebra
- ENGL 0123 Basic Composition
- READ 0123 Critical Content Reading and Scientific Reasoning

Biological Sciences

<p>PROGRAM REQUIREMENTS</p> <p style="text-align: right;">Credit Hours</p> <p>GENERAL EDUCATION 37</p> <p>ENGLISH COMPOSITION</p> <p>ENGL 1113 English Composition I 3</p> <p>ENGL 1213 English Composition II 3</p> <p>HISTORY AND GOVERNMENT</p> <p>HIST 1483 American History to 1877 (or)</p> <p>HIST 1493 Am. History Since 1877 3</p> <p>POLI 1113 American Government 3</p> <p>HUMANITIES</p> <p>Electives 6</p> <p>One 3-hour course to be chosen from those listed with International Dimension and 3 hours of humanities electives.</p> <p>MATHEMATICS</p> <p>MATH 1513 College Algebra 3</p> <p>SCIENCE</p> <p>BISI 1124 Biology for Majors 4</p> <p>CHEM 1314 General Chemistry I 4</p> <p>COMPUTER SCIENCE</p> <p>BSAD 1113 Digital/Financial Literacy 3</p> <p>(or other approved computer course)</p> <p>ORIENTATION</p> <p>ORNT 1101 Freshman Orientation 1</p> <p>GENERAL EDUCATION ELECTIVES 4</p> <p>Select courses from: Language Arts, Natural Sciences, Foreign Languages, Fine Arts, Humanities, Mathematics, Behavioral or Social Sciences.</p> <p>It is advised that if a student takes a <u>three</u> 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.</p> <p>PROGRAM REQUIREMENTS 20</p> <p>**BISI 1314 General Botany 4</p> <p>**BISI 1414 General Zoology 4</p> <p>BISI 2124 Microbiology 4</p> <p>CHEM 1414 General Chemistry II 4</p> <p>**PHYS 1114 General Physics I 4</p> <p>Substitutions may be made with prior approval.</p> <p>RECOMMENDED PROGRAM ELECTIVES... 3</p> <p>BISI 1214 Environmental Science 4</p> <p>**BISI 2024 Entomology 4</p> <p>BISI 2324 Comp Vertebrate Anatomy 4</p> <p>**BISI 2403 Intro to Wildlife Conservation .3</p> <p>MATH 1613 Plane Trigonometry 3</p> <p>MATH 2023 Elementary Statistics 3</p> <p>**PHYS 1214 General Physics II 4</p> <p>NUTR 2123 Intro to Human Nutrition 3</p> <p>HPET 2212 First Aid 2</p> <p>TOTAL CREDIT HOURS 60</p>	<p>SUGGESTED COURSE SEQUENCE</p> <p style="text-align: right;">Credit Hours</p> <p>FIRST SEMESTER 17</p> <p>ENGL 1113 English Composition I 3</p> <p>ORNT 1101 Freshman Orientation 1</p> <p>BISI 1124 Biology for Majors 4</p> <p>MATH 1513 College Algebra 3</p> <p>BSAD 1113 Digital/Financial Literacy 3</p> <p>HIST 1483 American History to 1877 (or)</p> <p>HIST 1493 American History Since 1877 .. 3</p> <p>SECOND SEMESTER 14</p> <p>ENGL 1213 English Composition II 3</p> <p>CHEM 1314 General Chemistry I 4</p> <p>MATH 2023 (recommended prog elective) ... 3</p> <p>General Education Elective 4</p> <p>THIRD SEMESTER 15</p> <p>CHEM 1414 General Chemistry II 4</p> <p>Humanities Elective 3</p> <p>BISI 1314 General Botany 4</p> <p>PHYS 1114 General Physics I 4</p> <p>FOURTH SEMESTER 14</p> <p>Humanities Elective 3</p> <p>BISI 1414 General Zoology 4</p> <p>BISI 2124 Microbiology 4</p> <p>POLI 1113 American Government 3</p> <p>This is a suggested sequence timeline only. A student may require more than four semesters to complete this 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>	<p>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. 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.</p> <p>Career Opportunities</p> <ul style="list-style-type: none"> Animal/Plant Production Pre-Veterinary Medical Assistant Veterinarian Assistant Research Lab Assistant Pharmaceutical Sales Wildlife Technician Wildlife Production <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 ACT test scores or by COMPASS test scores. These tests are administered in the Testing Center at NOC. Based upon the scores, some or all of the following four courses may need to be taken:</p> <ul style="list-style-type: none"> • MATH 0023 Concepts of Algebra • MATH 0123 Intermediate Algebra • ENGL 0123 Basic Composition • READ 0123 Critical Content Reading and Scientific Reasoning
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Biological Sciences, Pre-Medicine Option

PROGRAM REQUIREMENTS

	Credit Hours
GENERAL EDUCATION	37
ENGLISH COMPOSITION	
ENGL 1113 English Composition I.....	3
ENGL 1213 English Composition II	3
HISTORY AND GOVERNMENT	
HIST 1483 American History to 1877 (or)	
HIST 1493 Am. History Since 1877	3
POLI 1113 American Government	3
HUMANITIES	
Electives	6
One 3-hour course to be chosen from those listed with International Dimension and 3 hours of humanities electives.	
MATHEMATICS	
MATH 1513 College Algebra*	3
SCIENCE	
BISI 1124 Biology for Majors	4
CHEM 1314 General Chemistry I	4
COMPUTER SCIENCE	
BSAD 1113 Digital/Financial Literacy.....	3
(or other approved computer course)	
ORIENTATION	
ORNT 1101 Freshman Orientation	1
GENERAL EDUCATION ELECTIVES.....	4
Select courses from: Language Arts, Natural Sciences, Foreign Languages, Fine Arts, Humanities, Mathematics, Behavioral or Social Sciences.	
It is advised that if a student takes a <u>three</u> 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 REQUIREMENTS.....	20
BISI 2124 Microbiology	4
BISI 2104 Human Anatomy	4
CHEM 1414 General Chemistry II.....	4
**PHYS 1114 General Physics I	4
**PHYS 1214 General Physics II	4
Substitutions may be made with prior approval.	

RECOMMENDED PROGRAM ELECTIVES ...	3
GEOG 2253 World Regional Geography ...	3
SOCI 1113 General Sociology	3
SPCH 1713 Intro to Oral Communication ...	3
PSYC 1113 General Psychology	3
MATH 1613 Plane Trigonometry	3
BISI 2204 Human Physiology	4
HPET 2212 First Aid.....	2
NUTR 2123 Intro to Human Nutrition	3

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.

SUGGESTED COURSE SEQUENCE

	Credit Hours
FIRST SEMESTER	17
ENGL 1113 English Composition I	3
BISI 1124 Biology for Majors	4
ORNT 1101 Freshman Orientation	1
POLI 1113 American Government	3
MATH 1513 College Algebra	3
Humanities elective	3
SECOND SEMESTER	14
ENGL 1213 English Composition II	3
CHEM 1314 General Chemistry I	4
BISI 2104 Human Anatomy.....	4
BSAD 1113 Digital/Financial Literacy.....	3
THIRD SEMESTER	15
HIST 1483 American History to 1877 (or)	
HIST 1493 American History Since 1877 ...	3
BISI 2124 Microbiology	4
PHYS 1114 General Physics I	4
CHEM 1414 General Chemistry II.....	4
FOURTH SEMESTER.....	14
Humanities Elective	3
PHYS 1214 General Physics II	4
General Education Elective.	4
Program Elective	3

This is a suggested sequence timeline only. A student may require more than four semesters to complete this 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.

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. 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.

- Career Opportunities
- Chiropractor
 - Dental Hygiene
 - Medical Doctor
 - Funeral Science
 - Nutrition
 - Occupational Therapist
 - Optometry
 - Osteopathic Medical Research
 - Physical Therapist
 - Wellness

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 ACT test scores or by COMPASS test scores. These tests are administered in the Testing Center at NOC. Based upon the scores, some or all of the following four courses may need to be taken:

- MATH 0023 Concepts of Algebra
- MATH 0123 Intermediate Algebra
- ENGL 0123 Basic Composition
- READ 0123 Critical Content Reading and Scientific Reasoning

Biological Sciences, Pre-Pharmacy Option

<p>PROGRAM REQUIREMENTS</p> <p style="text-align: right;">Credit Hours</p> <p>GENERAL EDUCATION 37</p> <p>ENGLISH COMPOSITION</p> <p>ENGL 1113 English Composition I..... 3</p> <p>ENGL 1213 English Composition II3</p> <p>HISTORY AND GOVERNMENT</p> <p>HIST 1483 American History to 1877 (or)</p> <p>HIST 1493 Am. History Since 18773</p> <p>POLI 1113 American Government3</p> <p>HUMANITIES</p> <p>Electives 6</p> <p>One 3-hour course to be chosen from those listed with International Dimension and 3 hours of humanities electives.</p> <p>MATHEMATICS</p> <p>MATH 1513 College Algebra 3</p> <p>SCIENCE</p> <p>BISI 1124 Biology for Majors (or)</p> <p>BISI 1114 General Biology 4</p> <p>CHEM 1314 General Chemistry I 4</p> <p>COMPUTER SCIENCE</p> <p>BSAD 1113 Digital/Financial Literacy..... 3</p> <p>(or other approved computer course)</p> <p>ORIENTATION</p> <p>ORNT 1101 Freshman Orientation 1</p> <p>GENERAL EDUCATION ELECTIVES..... 4</p> <p>Select courses from: Language Arts, Natural Sciences, Foreign Languages, Fine Arts, Humanities, Mathematics, Behavioral or Social Sciences.</p> <p>It is advised that if a student takes a <u>three</u> 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.</p> <p>PROGRAM REQUIREMENTS..... 19</p> <p>BISI 2104 Human Anatomy 4</p> <p>BISI 2124 Microbiology..... 4</p> <p>**CHEM 1414 General Chemistry II 4</p> <p>**MATH 2103 Elementary Calculus 3</p> <p>**PHYS 1114 General Physics I..... 4</p> <p>Substitutions may be made with prior approval.</p> <p>RECOMMENDED PROGRAM ELECTIVES... 4</p> <p>ECON 2113 Macroeconomics.....3</p> <p>MATH 2023 Elementary Statistics 3</p> <p>SPCH 1713 Intro to Oral Communication ..3</p> <p>PSYC 1113 General Psychology.....3</p> <p>Hours for the program electives may be combined with general education elective hours to reach the minimum total of 60 credits.</p> <p>TOTAL CREDIT HOURS..... 60</p>	<p>SUGGESTED COURSE SEQUENCE</p> <p style="text-align: right;">Credit Hours</p> <p>FIRST SEMESTER 15</p> <p>ENGL 1113 English Composition I3</p> <p>BISI 1124 Biology for Majors.....4</p> <p>ORNT 1101 Freshman Orientation 1</p> <p>CHEM 1314 General Chemistry I4</p> <p>MATH 1513 College Algebra3</p> <p>SECOND SEMESTER 16</p> <p>ENGL 1213 English Composition II3</p> <p>HIST 1483 American History to 1877 (or)</p> <p>HIST 1493 American History Since 1877 ...3</p> <p>BSAD 1113 Digital/Financial Literacy.....3</p> <p>CHEM 1414 General Chemistry II4</p> <p>MATH 2103 Elementary Calculus3</p> <p>THIRD SEMESTER 14</p> <p>POLI 1113 American Government3</p> <p>Humanities Elective3</p> <p>PHYS 1114 Gen Physics I4</p> <p>BISI 2104 Human Anatomy4</p> <p>FOURTH SEMESTER..... 15</p> <p>Humanities Elective3</p> <p>BISI 2124 Microbiology4</p> <p>SPCH 1713 Intro to Oral Comm.....3</p> <p>*Program/Gen Ed Electives5</p> <p>This is a suggested sequence timeline only. A student may require more than four semesters to complete this Associate in Science degree.</p> <p>*Hours from recommended program electives and general education electives in Science may be combined to meet Gen Ed requirement.</p> <p>**These program courses are typically offered only once a year. See course descriptions for fall or spring designations and plan accordingly.</p>	<p>This Associate in Science degree program prepares students to transfer to a four-year university to pursue the Bachelor's degree in Pharmacy.</p> <p>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.</p> <p>Career Opportunities</p> <p>Pharmaceutical Research</p> <p>Pharmacy</p> <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 ACT test scores or by COMPASS test scores. These tests are administered in the Testing Center at NOC. Based upon the scores, some or all of the following four courses may need to be taken:</p> <ul style="list-style-type: none"> • MATH 0023 Concepts of Algebra • MATH 0123 Intermediate Algebra • ENGL 0123 Basic Composition • READ 0123 Critical Content Reading and Scientific Reasoning
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Business Administration

<p>PROGRAM REQUIREMENTS</p> <p style="text-align: right;">Credit Hours</p> <p>GENERAL EDUCATION 37</p> <p>ENGLISH COMPOSITION</p> <p>ENGL 1113 English Composition I 3</p> <p>ENGL 1213 English Composition II 3</p> <p>HISTORY AND GOVERNMENT</p> <p>HIST 1483 American History to 1877 (or)</p> <p>HIST 1493 Am. History Since 1877 3</p> <p>POLI 1113 American Government 3</p> <p>HUMANITIES</p> <p>PHIL 2213 Ethics (or) 3</p> <p>PHIL 2223 Business Ethics and</p> <p>One course to be chosen from those</p> <p>listed with International Dimension..... 3</p> <p>MATHEMATICS</p> <p>MATH 1513 College Algebra* 3</p> <p>SCIENCE</p> <p>Two Sciences with Lab 8</p> <p>COMPUTER SCIENCE</p> <p>CS 1113 Computer Concepts (or)</p> <p>BSAD 1113 Digital/Financial Literacy.... 3</p> <p>(or other approved computer course)</p> <p>ORIENTATION</p> <p>ORNT 1101 Freshman Orientation 1</p> <p>GENERAL EDUCATION ELECTIVES..... 4</p> <p>Select courses from: Language Arts,</p> <p>Natural Sciences, Foreign Languages,</p> <p>Fine Arts, Humanities, Mathematics,</p> <p>Behavioral or Social Sciences</p> <p>PROGRAM REQUIREMENTS..... 21</p> <p>ACCT 2103 Accounting I-Financial 3</p> <p>ACCT 2203 Accounting II-Managerial 3</p> <p>BSAD 1103 Introduction to Business 3</p> <p>CS 2123 Business Tech & Applications 3</p> <p>ECON 2113 Macroeconomic Principles 3</p> <p>ECON 2123 Microeconomic Principles 3</p> <p>MATH 2023 Elementary Statistics..... 3</p> <p>RECOMMENDED PROGRAM ELECTIVES ... 2-3</p> <p>BMGT 2240 Business Internship 3</p> <p>MATH 2103 Elementary Calculus 3</p> <p>SPCH 1713 Intro to Oral Communications.. 3</p> <p>TOTAL CREDIT HOURS..... 60</p> <p>* 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.</p>	<p>SUGGESTED COURSE SEQUENCE</p> <p style="text-align: right;">Credit Hours</p> <p>FIRST SEMESTER 16</p> <p>ENGL 1113 English Composition I 3</p> <p>Computer Science Elective..... 3</p> <p>ORNT 1101 Freshman Orientation 1</p> <p>MATH 1513 College Algebra 3</p> <p>BSAD 1103 Introduction to Business 3</p> <p>Gen Ed/Program Elective 3</p> <p>SECOND SEMESTER 16</p> <p>ENGL 1213 English Composition II 3</p> <p>HIST 1483 American History to 1877 (or)</p> <p>HIST 1493 American History Since 1877 3</p> <p>Science Elective (Biological or Physical) 4</p> <p>CS 2123 Business Tech. & Applications 3</p> <p>MATH 2023 Elementary Statistics 3</p> <p>THIRD SEMESTER 15</p> <p>POLI 1113 American Government 3</p> <p>PHIL 2213 Ethics (or)</p> <p>PHIL 2213 Business Ethics (humn elec) 3</p> <p>ACCT 2103 Accounting I-Financial 3</p> <p>ECON 2123 Microeconomic Principles 3</p> <p>Gen Ed/Program Elective 3</p> <p>FOURTH SEMESTER..... 13</p> <p>International Humanities Elective 3</p> <p>ACCT 2203 Accounting II-Managerial 3</p> <p>ECON 2113 Macroeconomic Principles 3</p> <p>Science Elective (Biological or Physical) 4</p> <p>This is a suggested sequence timeline only. A student may require more than four semesters to complete this Associate in Science degree.</p>	<p>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.</p> <p>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.</p> <p>Career Opportunities</p> <p>Accounting Business Administrator Finance Management</p> <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 ACT test scores or by COMPASS test scores. These tests are administered in the Testing Center at NOC. Based upon the scores, some or all of the following four courses may need to be taken:</p> <ul style="list-style-type: none"> • MATH 0023 Concepts of Algebra • MATH 0123 Intermediate Algebra • ENGL 0123 Basic Composition • READ 0123 Critical Content Reading and Scientific Reasoning
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Business Administration - International Business Option

<p>PROGRAM REQUIREMENT</p> <p style="text-align: right;">Credit Hours</p> <p>GENERAL EDUCATION 37</p> <p>ENGLISH COMPOSITION</p> <p>ENGL 1113 English Composition I..... 3</p> <p>ENGL 1213 English Composition II 3</p> <p>HISTORY AND GOVERNMENT</p> <p>HIST 1483 American History to 1877 (or)</p> <p>HIST 1493 Am. History Since 1877 3</p> <p>POLI 1113 American Government 3</p> <p>HUMANITIES</p> <p>PHIL 2213 Ethics or 3</p> <p>PHIL 2223 Business Ethics and</p> <p>GLBL 2133 Intro to Int'l Bus Cult..... 3</p> <p>MATHEMATICS</p> <p>MATH 1513 College Algebra* 3</p> <p>SCIENCE</p> <p>Two Sciences with Lab 8</p> <p>COMPUTER SCIENCE</p> <p>CS 1113 Computer Concepts (or)</p> <p>BSAD 1113 Digital/Financial Literacy.... 3</p> <p>(or other approved computer course)</p> <p>ORIENTATION</p> <p>ORNT 1101 Freshman Orientation 1</p> <p>GENERAL EDUCATION ELECTIVES..... 4</p> <p>(A foreign language course may be taken to meet the requirement below with fewer overall degree hours.)</p> <p>PROGRAM REQUIREMENT 21</p> <p>ACCT 2103 Accounting I-Financial 3</p> <p>ACCT 2203 Accounting II-Managerial 3</p> <p>CS 2123 Business Tech & Applications 3</p> <p>ECON 2113 Macroeconomic Principles 3</p> <p>ECON 2123 Microeconomic Principles 3</p> <p>SPCH 1713 Intro to Oral Communications...3</p> <p>GEOG 2253 World Regional Geography.....3</p> <p>RECOMMENDED PROGRAM ELECTIVES..... 3</p> <p>Hours for recommended program electives may be combined with general education hours above. Students are advised to take foreign language courses and/or business communication courses to meet this requirement.</p> <p>TOTAL CREDIT HOURS..... 61</p> <p>* 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.</p>	<p>SUGGESTED COURSE SEQUENCE</p> <p style="text-align: right;">Credit Hours</p> <p>FIRST SEMESTER 14</p> <p>ENGL 1113 English Composition I 3</p> <p>Computer Science Elective..... 3</p> <p>ORNT 1101 Freshman Orientation 1</p> <p>MATH 1513 College Algebra 3</p> <p>Science Elective (Biological or Physical) 4</p> <p>SECOND SEMESTER 16</p> <p>ENGL 1213 English Composition II 3</p> <p>HIST 1483 American History to 1877 (or)</p> <p>HIST 1493 American History Since 1877 3</p> <p>SPCH 1713 Intro to Oral Comm 3</p> <p>CS 2123 Business Tech & Applications 3</p> <p>Program/Gen Ed Elective 4</p> <p>THIRD SEMESTER 16</p> <p>Science Elective (Biological or Physical) 4</p> <p>PHIL 2213 Ethics (or)</p> <p>PHIL 2223 Business Ethics (humn elec) 3</p> <p>ACCT 2103 Accounting I-Financial 3</p> <p>ECON 2113 Macroeconomic Principles 3</p> <p>POLI 1113 American Government 3</p> <p>FOURTH SEMESTER..... 15</p> <p>GLBL 2133 Intro to Int'l Busn Cultures 3</p> <p>Program/Gen Ed Elective 3</p> <p>ECON 2123 Microeconomic Principles 3</p> <p>ACCT 2203 Accounting II-Managerial 3</p> <p>World Regional Geography 3</p> <p>This is a suggested sequence timeline only. A student may require more than four semesters to complete this Associate in Science degree.</p>	<p>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.</p> <p>Career Opportunities</p> <ul style="list-style-type: none"> Accounting Business Administrator Finance Management International Business <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 ACT test scores or by COMPASS test scores. These tests are administered in the Testing Center at NOC. Based upon the scores, some or all of the following four courses may need to be taken:</p> <ul style="list-style-type: none"> • MATH 0023 Concepts of Algebra • MATH 0123 Intermediate Algebra • ENGL 0123 Basic Composition • READ 0123 Critical Content Reading and Scientific Reasoning
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Business Administration - Management Information Systems (MIS) Option

<p>PROGRAM REQUIREMENTS</p> <p style="text-align: right;">Credit Hours</p> <p>GENERAL EDUCATION 37</p> <p>ENGLISH COMPOSITION</p> <p>ENGL 1113 English Composition I 3</p> <p>ENGL 1213 English Composition II 3</p> <p>HISTORY AND GOVERNMENT</p> <p>HIST 1483 American History to 1877 (or)</p> <p>HIST 1493 Am. History Since 1877 3</p> <p>POLI 1113 American Government 3</p> <p>HUMANITIES</p> <p>PHIL 2213 Ethics or 3</p> <p>PHIL 2223 Business Ethics and</p> <p>One course to be chosen from those listed</p> <p>with International Dimension.....3</p> <p>MATHEMATICS</p> <p>MATH 1513 College Algebra* 3</p> <p>SCIENCE</p> <p>Two Sciences with Lab 8</p> <p>COMPUTER SCIENCE</p> <p>CS 1113 Computer Concepts (or)</p> <p>BSAD 1113 Digital/Financial Literacy.... 3</p> <p>(or other approved computer course)</p> <p>ORIENTATION</p> <p>ORNT 1101 Freshman Orientation 1</p> <p>GENERAL EDUCATION ELECTIVES..... 4</p> <p>The completion of the 27 hours of Program</p> <p>Requirements below enables a student to</p> <p>fulfill this four hour General Education</p> <p>Elective requirement.</p> <p>PROGRAM REQUIREMENTS..... 27-29</p> <p>ACCT 2103 Accounting I-Financial 3</p> <p>ACCT 2203 Accounting II-Managerial 3</p> <p>**CS 1013 Visual Basic Programming..... 3</p> <p>CS 2123 Bus. Tech. & Applications..... 3</p> <p>**CS 2303 Java Programming (or)</p> <p>**CS 2313 Programming with C++ 3</p> <p>ECON 2113 Macroeconomic Principles 3</p> <p>ECON 2123 Microeconomic Principles..... 3</p> <p>MATH 2023 Elementary Statistics..... 3</p> <p>**MATH 2103 Elementary Calculus (or)</p> <p>**MATH 2145 Calculus I.....3-5</p> <p>TOTAL CREDIT HOURS..... 60-62</p> <p>*Students scoring 26 or above on the math</p> <p>subsection of the ACT do not have to take</p> <p>MATH 1513 College Algebra and may take</p> <p>MATH 2023 Elementary Statistics or MATH</p> <p>2103 Elementary Calculus.</p>	<p>SUGGESTED COURSE SEQUENCE</p> <p style="text-align: right;">Credit Hours</p> <p>FIRST SEMESTER 15</p> <p>ENGL 1113 English Composition I3</p> <p>Computer Science Elective.....3</p> <p>ORNT 1101 Freshman Orientation1</p> <p>MATH 1513 College Algebra3</p> <p>CS 1013 Visual Basic Programming3</p> <p>HIST 1483 American History to 1877 (or)</p> <p>HIST 1493 American History Since 18773</p> <p>SECOND SEMESTER 13-15</p> <p>ENGL 1213 English Composition II3</p> <p>MATH Calculus elective.....3-5</p> <p>CS 2123 Bus. Tech. & Applications3</p> <p>Science Elective (Biological or Physical)4</p> <p>THIRD SEMESTER 16</p> <p>POLI 1113 American Government3</p> <p>Science Elective (Biological or Physical)4</p> <p>ACCT 2103 Accounting I-Financial3</p> <p>ECON 2123 Microeconomic Principles3</p> <p>PHIL 2213 Ethics (or)</p> <p>PHIL 2223 Business Ethics (humn elective) 3</p> <p>FOURTH SEMESTER 15</p> <p>International Humanities Elective3</p> <p>CS 2303 Java Programming (or)</p> <p>CS 2313 Programming with C++ 3</p> <p>MATH 2023 Elementary Statistics3</p> <p>ACCT 2203 Accounting II-Managerial3</p> <p>ECON 2113 Macroeconomic Principles3</p> <p>This is a suggested sequence timeline only. A</p> <p>student may require more than four semesters</p> <p>to complete this Associate in Science degree.</p> <p>**These program courses are typically offered only</p> <p>once a year. See course descriptions for fall or</p> <p>spring designations and plan accordingly.</p>	<p>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. Alternate courses and electives should be selected carefully only after the student and the graduation advisor have consulted the catalog of the selected transfer college.</p> <p>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.</p> <p>Career Opportunities</p> <p>Business Information Systems Analyst</p> <p>Information Systems Specialist</p> <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 ACT test scores or by COMPASS test scores. These tests are administered in the Testing Center at NOC. Based upon the scores, some or all of the following four courses may need to be taken:</p> <ul style="list-style-type: none"> • MATH 0023 Concepts of Algebra • MATH 0123 Intermediate Algebra • ENGL 0123 Basic Composition • READ 0123 Critical Content Reading and Scientific Reasoning
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Computer Science, Pre-Professional

<p>PROGRAM REQUIREMENTS</p> <p style="text-align: right;">Credit Hours</p> <p>GENERAL EDUCATION 37</p> <p>ENGLISH COMPOSITION</p> <p>ENGL 1113 English Composition I..... 3</p> <p>ENGL 1213 English Composition II 3</p> <p>HISTORY AND GOVERNMENT</p> <p>HIST 1483 American History to 1877 (or)</p> <p>HIST 1493 Am. History Since 1877 3</p> <p>POLI 1113 American Government 3</p> <p>HUMANITIES</p> <p>PHIL 2213 Ethics (or) 3</p> <p>PHIL 2223 Business Ethics and</p> <p>One course to be chosen from those</p> <p>listed with International Dimension..... 3</p> <p>MATHEMATICS</p> <p>MATH 1513 College Algebra (or higher)</p> <p>MATH 1613 Plane Trigonometry..... 3</p> <p>SCIENCE</p> <p>Two Sciences with Lab 8</p> <p>COMPUTER SCIENCE</p> <p>BSAD 1113 Digital/Financial Literacy (or)</p> <p>CS 1113 Computer Concepts 3</p> <p>(or other approved computer course)</p> <p>ORIENTATION</p> <p>ORNT 1101 Freshman Orientation 1</p> <p>GENERAL EDUCATION ELECTIVES..... 4</p> <p>(1 hour can be combined with requirement</p> <p>for recommended electives below, or</p> <p>selected from courses in</p> <p>Language Arts, Natural Science, Foreign</p> <p>Languages, Fine Arts, Humanities,</p> <p>Mathematics, Behavioral or Social</p> <p>Sciences.)</p> <p>PROGRAM REQUIREMENTS..... 18-20</p> <p>ACCT 2103 Accounting I-Financial 3</p> <p>**CS 1013 Visual Basic Programming..... 3</p> <p>ECON 2123 Microeconomic Principles (or)</p> <p>ECON 2113 Macroeconomic Principles ... 3</p> <p>**MATH 2103 Elementary Calculus (or)</p> <p>**MATH 2145 Calculus I (or)</p> <p>MATH 2023 Elementary Statistics 3-5</p> <p>**CS 2313 Programming with C++..... 3</p> <p>**CS 2303 Java Programming 3</p> <p>Programming Language requirement substitutions</p> <p>may be made with prior approval.</p> <p>RECOMMENDED PROGRAM ELECTIVES.5-6</p> <p>ACCT 2203 Accounting II-Managerial 3</p> <p>CS 2123 Bus. Tech. & Applications 3</p> <p>ECON 2123 Microeconomic Principles (or)</p> <p>ECON 2113 Macroeconomic Principles ... 3</p> <p>**MATH 2023 Elementary Statistics 3</p> <p>**MATH 2155 Calculus II 5</p> <p>TOTAL CREDIT HOURS..... 60-62</p>	<p>SUGGESTED COURSE SEQUENCE</p> <p style="text-align: right;">Credit Hours</p> <p>FIRST SEMESTER 16</p> <p>ENGL 1113 English Composition I 3</p> <p>Computer Science Elective..... 3</p> <p>ORNT 1101 Freshman Orientation 1</p> <p>MATH 1513 College Algebra (or)</p> <p>MATH 1613 Plane Trigonometry 3</p> <p>CS 1013 Visual Basic 3</p> <p>POLI 1113 American Government 3</p> <p>SECOND SEMESTER 13-15</p> <p>ENGL 1213 English Composition II 3</p> <p>MATH 2103 Elementary Calculus (or)</p> <p>MATH 2145 Calculus I (or)</p> <p>MATH 2023 Elementary Statistics 3-5</p> <p>CS 2303 Java Programming 3</p> <p>Science Elective (Biological or Physical) 4</p> <p>THIRD SEMESTER 16</p> <p>Science Elective (Biological or Physical) 4</p> <p>CS 2313 Programming with C++ 3</p> <p>ACCT 2103 Accounting I-Financial 3</p> <p>ECON 2123 Microeconomic Principles 3</p> <p>Gen Ed/Program Elective..... 3</p> <p>FOURTH SEMESTER..... 15</p> <p>HIST 1483 American History to 1877 (or)</p> <p>HIST 1493 American History Since 1877 3</p> <p>PHIL 2213 Ethics (or)</p> <p>PHIL 2223 Business Ethics (humn elec) 3</p> <p>International Humanities Elective..... 3</p> <p>Gen Ed/Program Electives 6</p> <p>This is a suggested sequence timeline only. A student may require more than four semesters to complete this 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>	<p>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.</p> <p>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.</p> <p>Career Opportunities Programmer Systems Analyst</p> <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 ACT test scores or by COMPASS test scores. These tests are administered in the Testing Center at NOC. Based upon the scores, some or all of the following four courses may need to be taken:</p> <ul style="list-style-type: none"> • MATH 0023 Concepts of Algebra • MATH 0123 Intermediate Algebra • ENGL 0123 Basic Composition • READ 0123 Critical Content Reading and Scientific Reasoning
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**Enterprise Development
Business Administration Area of Emphasis**

<p>PROGRAM REQUIREMENTS</p> <p style="text-align: right;">Credit Hours</p> <p>GENERAL EDUCATION 37</p> <p>ENGLISH COMPOSITION</p> <p>ENGL 1113 English Composition I..... 3</p> <p>ENGL 1213 English Composition II3</p> <p>SPCH 1713 Intro. to Oral Comm..... 3</p> <p>HISTORY AND GOVERNMENT</p> <p>HIST 1483 American History to 1877 (or)</p> <p>HIST 1493 Am. History Since 18773</p> <p>POLI 1113 American Government 3</p> <p>HUMANITIES</p> <p>Electives 6</p> <p>MATHEMATICS</p> <p>MATH 1513 College Algebra* (or)</p> <p>MATH 1483 Math Functions 3</p> <p>SCIENCE (one must be a lab science)</p> <p>One Biological Science..... 3-4</p> <p>One Physical Science..... 3-4</p> <p>TECHNOLOGY AND LANGUAGE 6</p> <p>CS 1113 Computer Concepts (or)</p> <p>BSAD 1113 Digital/Financial Literacy</p> <p>Conversational Spanish or other world language elective</p> <p>PROGRAM REQUIREMENTS..... 23</p> <p>ACCT 2103 Accounting I-Financial 3</p> <p>ACCT 2203 Accounting II-Managerial 3</p> <p>BMGT 2240 Business Internship 3</p> <p>**BMGT 2143 Marketing..... 3</p> <p>BSAD 2002 Business Seminar 2</p> <p>ECON 2113 Macroeconomic Principles 3</p> <p>ECON 2123 Microeconomic Principles 3</p> <p>MATH 2023 Elementary Statistics 3</p> <p>TOTAL CREDIT HOURS..... 60</p> <p>* 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.</p> <p>**These program courses are typically offered only once a year. See course descriptions for fall or spring designations and plan accordingly.</p>	<p>SUGGESTED COURSE SEQUENCE</p> <p style="text-align: right;">Credit Hours</p> <p>FIRST SEMESTER 15</p> <p>ENGL 1113 English Composition I 3</p> <p>Computer Science Elective 3</p> <p>HIST 1483 American History to 1877 (or)</p> <p>HIST 1493 American History Since 1877. 3</p> <p>Humanities Elective 3</p> <p>MATH 1513 College Algebra 3</p> <p>SECOND SEMESTER 15</p> <p>ACCT 2103 Accounting I-Financial 3</p> <p>BMGT 2143 Marketing 3</p> <p>ENGL 1213 English Composition II 3</p> <p>ECON 2113 Macroeconomic Principles 3</p> <p>POLI 1113 American Government 3</p> <p>THIRD SEMESTER 15</p> <p>ACCT 2203 Accounting II-Managerial 3</p> <p>ECON 2123 Microeconomic Principles 3</p> <p>SPCH 1713 Intro. to Oral Comm. 3</p> <p>Science Elective (Biological or Physical) 3</p> <p>Humanities Elective 3</p> <p>FOURTH SEMESTER 15</p> <p>Science Elective (Biological or Physical) 4</p> <p>MATH 2023 Elementary Statistics 3</p> <p>Language Elective 3</p> <p>Business Internship 3</p> <p>Business Seminar 2</p> <p>This is a suggested sequence timeline only. 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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.</p> <p>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 is also transferable to the research and regional Universities through the Course Equivalency Project. 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.</p>
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**Enterprise Development
General Studies Area of Emphasis**

<p>PROGRAM REQUIREMENTS</p> <table border="0"> <tr> <td></td> <td style="text-align: right;">Credit Hours</td> </tr> <tr> <td>GENERAL EDUCATION</td> <td style="text-align: right;">37</td> </tr> <tr> <td>ENGLISH COMPOSITION</td> <td></td> </tr> <tr> <td>ENGL 1113 English Composition I.....</td> <td style="text-align: right;">3</td> </tr> <tr> <td>ENGL 1213 English Composition II</td> <td style="text-align: right;">3</td> </tr> <tr> <td>SPCH 1713 Intro. to Oral Comm.....</td> <td style="text-align: right;">3</td> </tr> <tr> <td>HISTORY AND GOVERNMENT</td> <td></td> </tr> <tr> <td>HIST 1483 American History to 1877 (or)</td> <td></td> </tr> <tr> <td>HIST 1493 Am. 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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).</p> <p>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. 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Health, Physical Education, and Recreation

<p>PROGRAM REQUIREMENTS</p> <p style="text-align: right;">Credit Hours</p> <p>GENERAL EDUCATION 37</p> <p>ENGLISH COMPOSITION</p> <p>ENGL 1113 English Composition I 3</p> <p>ENGL 1213 English Composition II 3</p> <p>HISTORY AND GOVERNMENT</p> <p>HIST 1483 American History to 1877 (or)</p> <p>HIST 1493 Am. History Since 1877 3</p> <p>POLI 1113 American Government 3</p> <p>HUMANITIES</p> <p>Electives 6</p> <p>One 3-hour course to be chosen from those listed with International Dimension and 3 hours of humanities electives.</p> <p>MATHEMATICS</p> <p>MATH 1493 Math Applications (or)</p> <p>MATH 1513 College Algebra 3</p> <p>SCIENCE</p> <p>Two Sciences with Lab 8</p> <p>COMPUTER SCIENCE</p> <p>BSAD 1113 Digital/Financial Literacy 3 (or other approved computer course)</p> <p>ORIENTATION</p> <p>ORNT 1101 Freshman Orientation 1</p> <p>GENERAL EDUCATION ELECTIVES 4</p> <p>Select courses from: Language Arts, Natural Sciences, Foreign Languages, Fine Arts, Humanities, Mathematics, Behavioral or Social Sciences</p> <p>PROGRAM REQUIREMENTS 19</p> <p>HPET 1113 Nutrition 3</p> <p>HPET 1132 Sports Officiating I (or)</p> <p>HPET 1142 Sports Officiating II 2</p> <p>**HPET 2053 Introduction to Coaching 3</p> <p>HPET 1223 Health Ed. and Wellness 3</p> <p>HPET 1950 Physical Ed. Field Exp 1</p> <p>**HPET 1952 Introduction to HPE&R 2</p> <p>HPET 2212 First Aid 2</p> <p>HPET 2633 Care and Prevention of Athletic Injuries 3</p> <p>Substitutions may be made with prior approval.</p> <p>RECOMMENDED PROGRAM ELECTIVES.4-5</p> <p>BISI 2214 Human Anatomy and Physiology 4</p> <p>OR</p> <p>BISI 2104 Human Anatomy 4</p> <p>OR</p> <p>PSYC 1113 General Psychology 3</p> <p>AND course not taken above in program requirement choice:</p> <p>HPET 1132 Sports Officiating I (or)</p> <p>HPET 1142 Sports Officiating II 2</p> <p>TOTAL CREDIT HOURS 60</p>	<p>SUGGESTED COURSE SEQUENCE</p> <p style="text-align: right;">Credit Hours</p> <p>FIRST SEMESTER 16</p> <p>ENGL 1113 English Composition I 3</p> <p>BSAD 1113 Digital/Financial Literacy 3</p> <p>ORNT 1101 Freshman Orientation 1</p> <p>HPET 1132 Sports Officiating I (or)</p> <p>HPET 1142 Sports Officiating II 2</p> <p>HPET 1952 Introduction to HPE&R 2</p> <p>HPET 2212 First Aid 2</p> <p>MATH 1493 Math Applications 3</p> <p>SECOND SEMESTER 15</p> <p>ENGL 1213 English Composition II 3</p> <p>HIST 1483 American History to 1877 (or)</p> <p>HIST 1493 American History Since 1877 3</p> <p>Humanities Elective 3</p> <p>HPET 1223 Health Ed. and Wellness 3</p> <p>HPET 1113 Nutrition 3</p> <p>THIRD SEMESTER 15-16</p> <p>General Education Electives 3</p> <p>Science Elective (Biological or Physical) 4</p> <p>POLI 1113 American Government 3</p> <p>HPET 1950 Physical Ed. Field Experience 1</p> <p>Recommended Program Elective 4-5</p> <p>FOURTH SEMESTER 14</p> <p>General Education Electives 1</p> <p>Science Elective (Biological or Physical) 4</p> <p>Humanities Elective 3</p> <p>HPET 2053 Introduction to Coaching 3</p> <p>HPET 2633 Care & Prevention of Ath Injuries. 3</p> <p>This is a suggested sequence timeline only. A student may require more than four semesters to complete this 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>	<p>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. 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.</p> <p>Career Opportunities</p> <p>Coach</p> <p>Personal Trainer</p> <p>Physical Education Instructor</p> <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 ACT test scores or by COMPASS test scores. These tests are administered in the Testing Center at NOC. Based upon the scores, some or all of the following four courses may need to be taken:</p> <ul style="list-style-type: none"> • MATH 0023 Concepts of Algebra • MATH 0123 Intermediate Algebra • ENGL 0123 Basic Composition • READ 0123 Critical Content Reading and Scientific Reasoning
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Health, Physical Education, and Recreation - Athletic Training Option

<p>PROGRAM REQUIREMENTS</p> <p style="text-align: right;">Credit Hours</p> <p>GENERAL EDUCATION 37</p> <p>ENGLISH COMPOSITION</p> <p>ENGL 1113 English Composition I..... 3</p> <p>ENGL 1213 English Composition II 3</p> <p>HISTORY AND GOVERNMENT</p> <p>HIST 1483 American History to 1877 (or)</p> <p>HIST 1493 Am. History Since 1877 3</p> <p>POLI 1113 American Government 3</p> <p>HUMANITIES</p> <p>Electives 6</p> <p>One 3-hour course to be chosen from those listed with International Dimension and 3 hours of humanities electives.</p> <p>MATHEMATICS</p> <p>MATH 1513 College Algebra 3</p> <p>SCIENCE</p> <p>BISI 1114 General Biology 4</p> <p>CHEM 1314 General Chemistry I 4</p> <p>COMPUTER SCIENCE</p> <p>BSAD 1113 Digital/Financial Literacy..... 3</p> <p>(or other approved computer course)</p> <p>ORIENTATION</p> <p>ORNT 1101 Freshman Orientation 1</p> <p>GENERAL EDUCATION ELECTIVES..... 4</p> <p>Select courses from: Language Arts, Natural Sciences, Foreign Languages, Fine Arts, Humanities, Mathematics, Behavioral or Social Sciences</p> <p>PROGRAM REQUIREMENTS..... 23</p> <p>**BISI 2104 Human Anatomy..... 4</p> <p>** BISI 2204 Human Physiology 4</p> <p>HPET 1113 Nutrition 3</p> <p>HPET 1223 Health Ed. and Wellness..... 3</p> <p>HPET 2212 First Aid 2</p> <p>**HPET 2382 Athletic Training-Practicum I . 2</p> <p>**HPET 2482 Athletic Training-Practicum II 2</p> <p>HPET 2633 Care and Prevention of Athletic Injuries 3</p> <p>The first year will involve 75 to 85 hours of observation. The second year will involve 500 hours of clinical work.</p> <p>TOTAL CREDIT HOURS..... 60</p>	<p>SUGGESTED COURSE SEQUENCE</p> <p style="text-align: right;">Credit Hours</p> <p>FIRST SEMESTER16</p> <p>ENGL 1113 English Composition I3</p> <p>BSAD 1113 Digital/Financial Literacy.....3</p> <p>ORNT 1101 Freshman Orientation1</p> <p>HPET 2212 First Aid2</p> <p>MATH 1513 College Algebra3</p> <p>BISI 1114 General Biology4</p> <p>SECOND SEMESTER14</p> <p>ENGL 1213 English Composition II3</p> <p>CHEM 1314 General Chemistry I4</p> <p>HPET 2633 Care & Prevention of Ath Injuries .3</p> <p>General Education Electives4</p> <p>THIRD SEMESTER15</p> <p>POLI 1113 American Government3</p> <p>Humanities Elective3</p> <p>BISI 2104 Human Anatomy4</p> <p>HPET 1113 Nutrition3</p> <p>HPET 2382 Athletic Training-Practicum I2</p> <p>FOURTH SEMESTER..... 15</p> <p>HIST 1483 American History to 1877 (or)</p> <p>HIST 1493 American History Since 18773</p> <p>Humanities Elective3</p> <p>BISI 2204 Human Physiology4</p> <p>HPET 1223 Health Ed. and Wellness3</p> <p>HPET 2482 Athletic Training-Practicum II2</p> <p>This is a suggested sequence timeline only. A student may require more than four semesters to complete this 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> <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 ACT test scores or by COMPASS test scores. These tests are administered in the Testing Center at NOC. Based upon the scores, some or all of the following four courses may need to be taken:</p> <ul style="list-style-type: none"> • MATH 0023 Concepts of Algebra • MATH 0123 Intermediate Algebra • ENGL 0123 Basic Composition • READ 0123 Critical Content Reading and Scientific Reasoning 	<p>The Associate in Science degree in Athletic Training is designed to prepare students adequately for the athletic training programs offered at four-year institutions. 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 15th and formal approval is required. GPA and ACT composite scores are weighed heavily as acceptance is highly competitive.</p> <p>Career Opportunities</p> <p>Athletic Trainer Physical Therapist Strength & Conditioning</p>
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Health, Physical Education, and Recreation—Personal Training Option

PROGRAM REQUIREMENTS	Credit Hours
GENERAL EDUCATION	37
ENGLISH COMPOSITION	
ENGL 1113 English Composition I	3
ENGL 1213 English Composition II	3
HISTORY AND GOVERNMENT	
HIST 1483 American History to 1877 (or)	
HIST 1493 Am. History Since 1877	3
POLI 1113 American Government	3
HUMANITIES	
Electives.....	6
One 3-hour course to be chosen from those listed with International Dimension and 3 hours of humanities electives.	
MATHEMATICS	
MATH 1493 Math Applications (or)	
MATH 1513 College Algebra	3
SCIENCE	
BISI 1114 General Biology.....	4
BISI 2104 Human Anatomy	4
COMPUTER SCIENCE	
CS 1113 Computer Concepts (or)	
BSAD 1113 Digital/Financial Literacy ...	3
ORIENTATION	
ORNT 1101 Freshman Orientation	1
GENERAL EDUCATION ELECTIVES	4
Select courses from: Language Arts, Natural Sciences, Foreign Languages, Fine Arts, Humanities, Mathematics, Behavioral or Social Sciences	
PROGRAM REQUIREMENTS	21
HPET 1113 Nutrition	3
**HPET 1233 Intro to Pers Training I	3
**HPET 1243 Intro to Pers Training II	3
HPET 1223 Health Ed. and Wellness	3
**HPET 1232 Pers Training Practicum I.....	2
**HPET 1242 Pers Training Practicum II.....	2
HPET 2212 First Aid.....	2
HPET 2633 Care and Prevention of Athletic Injuries.....	3
Substitutions may be made with prior approval.	
RECOMMENDED PROGRAM ELECTIVE	2
**HPET 1952 Intro to HPER.....	2
Students may replace this class with an additional two hours of general education electives.	
TOTAL CREDIT HOURS	60

SUGGESTED COURSE SEQUENCE	Credit Hours
FIRST SEMESTER	16
ENGL 1113 English Composition I	3
CS 1113 Computer Concepts (or)	
BSAD 1113 Digital/Financial Literacy.....	3
ORNT 1101 Freshman Orientation	1
HPET 1233 Intro to Pers Training I	3
HPET 1232 Pers Training Practicum I	2
HPET 2212 First Aid	2
HPET 1952 Intro to HPER	2
SECOND SEMESTER	15
ENGL 1213 English Composition II	3
BISI 1114 General Biology	4
MATH 1493 Math Applications(or)	
MATH 1513 College Algebra	3
HPET 1243 Intro to Pers Training II.....	3
HPET 1242 Pers Training Practicum II	2
THIRD SEMESTER	16
General Education Electives	3
BISI 2104 Human Anatomy	4
Humanities Elective	3
HPET 1113 Nutrition	3
HIST 1483 American History to 1877 (or)	
HIST 1493 American History Since 1877	3
FOURTH SEMESTER.....	13
General Education Electives	1
Humanities Elective	3
HPET 1233 Health Ed & Wellness	3
HPET 2633 Care & Prevention of Ath Injuries.	3
POLI 1113 American Government	3

This is a suggested sequence timeline only. A student may require more than four semesters to complete this 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.

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. 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.

- Career Opportunities**
- Coach
 - Personal Trainer
 - Physical Education Instructor

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 ACT test scores or by COMPASS test scores. These tests are administered in the Testing Center at NOC. Based upon the scores, some or all of the following four (4) courses may need to be taken:

- MATH 0023 Concepts of Algebra
- MATH 0123 Intermediate Algebra
- ENGL 0123 Basic Composition
- READ 0123 Critical Reading and Scientific Reasoning

Mathematics and Physical Science

<p>PROGRAM REQUIREMENTS</p> <p style="text-align: right;">Credit Hours</p> <p>GENERAL EDUCATION37</p> <p>ENGLISH COMPOSITION</p> <p>ENGL 1113 English Composition I3</p> <p>ENGL 1213 English Composition II3</p> <p>HISTORY AND GOVERNMENT</p> <p>HIST 1483 American History to 1877 (or)</p> <p>HIST 1493 Am. History Since 18773</p> <p>POLI 1113 American Government3</p> <p>HUMANITIES</p> <p>Electives.....6</p> <p>One 3-hour course to be chosen from those listed with International Dimension and 3 hours of humanities electives.</p> <p>MATHEMATICS</p> <p>MATH 1513 College Algebra3</p> <p>SCIENCE</p> <p>CHEM 1314 General Chemistry I4</p> <p>One additional science with lab.....4</p> <p>COMPUTER SCIENCE</p> <p>BSAD 1113 Digital/Financial Literacy3</p> <p>(or other approved computer course)</p> <p>ORIENTATION</p> <p>ORNT 1101 Freshman Orientation1</p> <p>GENERAL EDUCATION ELECTIVES4</p> <p>(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 courses in Language Arts, Natural Science, Foreign Languages, Fine Arts, Humanities, Mathematics, Behavioral or Social Sciences.)</p> <p>PROGRAM REQUIREMENTS17</p> <p>**MATH 2145 Calculus I5</p> <p>**MATH 2155 Calculus II5</p> <p>**MATH 2613 Differential Equations3</p> <p>**PHYS 2014 Engineering Physics I (or)</p> <p>PHYS 1114 General Physics I4</p> <p>RECOMMENDED PROGRAM ELECTIVES... .6</p> <p>Select courses from: Computer Science, Physics and Statistics. Other courses may be substituted with approval.</p> <p>TOTAL CREDIT HOURS60</p> <p>Students scoring 26 or above on the math subsection of the ACT do not have to take MATH 1513 College Algebra.</p> <p>Students scoring 28 or above on the math subsection of the ACT do not have to take MATH 1613 Plane Trigonometry.</p> <p>Students not taking Algebra and 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>SUGGESTED COURSE SEQUENCE</p> <p style="text-align: right;">Credit Hours</p> <p>FIRST SEMESTER16</p> <p>ENGL 1113 English Composition I3</p> <p>BSAD 1113 Digital/Financial Literacy.....3</p> <p>ORNT 1101 Freshman Orientation1</p> <p>MATH 1513 College Algebra (Pre-Calculus) 3</p> <p>MATH 1613 Plane Trig.3</p> <p>Program/Gen Ed Elective.....3</p> <p>SECOND SEMESTER15</p> <p>ENGL 1213 English Composition II3</p> <p>HIST 1483 American History to 1877 (or)</p> <p>HIST 1493 American History Since 1877 ..3</p> <p>MATH 2145 Calculus I5</p> <p>CHEM 1314 General Chemistry I4</p> <p>THIRD SEMESTER.....15</p> <p>POLI 1113 American Government3</p> <p>PHYS 2014 Engineering Physics I (or)</p> <p>PHYS 1114 General Physics I4</p> <p>Humanities Elective3</p> <p>MATH 2155 Calculus II5</p> <p>FOURTH SEMESTER14</p> <p>MATH 2613 Differential Equations3</p> <p>Humanities Elective3</p> <p>Program/Gen Ed Electives4</p> <p>Science Elective4</p> <p>This is a suggested sequence timeline only. A student may require more than four semesters to complete this 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>	<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.</p> <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 ACT test scores or by COMPASS test scores. These tests are administered in the Testing Center at NOC. Based upon the scores, some or all of the following four courses may need to be taken:</p> <ul style="list-style-type: none"> • MATH 0023 Concepts of Algebra • MATH 0123 Intermediate Algebra • ENGL 0123 Basic Composition • READ 0123 Critical Content Reading and Scientific Reasoning
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Mathematics and Physical Science-Astronomy Option

<p>PROGRAM REQUIREMENTS</p> <p style="text-align: right;">Credit Hours</p> <p>GENERAL EDUCATION37</p> <p>ENGLISH COMPOSITION</p> <p>ENGL 1113 English Composition I..... 3</p> <p>ENGL 1213 English Composition II..... 3</p> <p>HISTORY AND GOVERNMENT</p> <p>HIST 1483 American History to 1877 (or)</p> <p>HIST 1493 Am. History Since 1877 3</p> <p>POLI 1113 American Government 3</p> <p>HUMANITIES</p> <p>Electives6</p> <p>One 3-hour course to be chosen from those listed with International Dimension and 3 hours of humanities electives.</p> <p>MATHEMATICS</p> <p>MATH 1513 College Algebra3</p> <p>SCIENCE</p> <p>ESCI 1214 Earth Science4</p> <p>CHEM 1314 Chemistry I.....4</p> <p>COMPUTER SCIENCE</p> <p>BSAD 1113 Digital/Financial Literacy.....3</p> <p>(or other approved computer course)</p> <p>ORIENTATION</p> <p>ORNT 1101 Freshman Orientation1</p> <p>GENERAL EDUCATION ELECTIVES.....4</p> <p>(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 courses in Language Arts, Natural Science, Foreign Languages, Fine Arts, Humanities, Mathematics, Behavioral or Social Sciences.)</p> <p>PROGRAM REQUIREMENTS.....16</p> <p>**ASTR 1523 Planetary Science.....3</p> <p>ASTR 2513 Observatory Methods3</p> <p>**MATH 2145 Calculus I.....5</p> <p>**MATH 2155 Calculus II.....5</p> <p>RECOMMENDED ELECTIVES7</p> <p>ASTR 1014 Survey of Astronomy4</p> <p>**ASTR 1533 Search for Life in the Univ.....3</p> <p>**ASTR 2563 Galaxies and Cosmology3</p> <p>ESCI 1214 Earth Science4</p> <p>GEOL 1114 Physical Geology4</p> <p>**PHSY 1114 Physics I.....4</p> <p>TOTAL CREDIT HOURS..... 60</p>	<p>SUGGESTED COURSE SEQUENCE</p> <p style="text-align: right;">Credit Hours</p> <p>FIRST SEMESTER 16</p> <p>ENGL 1113 English Composition I 3</p> <p>ORNT 1101 Freshman Orientation 1</p> <p>MATH 1513 College Algebra 3</p> <p>MATH 1613 Plane Trigonometry.....3</p> <p>ASTR 1523 Planetary Science.....3</p> <p>Humanities Elective 3</p> <p>SECOND SEMESTER 15</p> <p>ENGL 1213 English Composition II 3</p> <p>MATH 2145 Calculus I 5</p> <p>BSAD 1113 Digital/Financial Literacy.....3</p> <p>ESCI 1214 Earth Science 4</p> <p>THIRD SEMESTER 15</p> <p>POLI 1113 American Government 3</p> <p>CHEM 1314 Chemistry I 4</p> <p>ASTR 2513 Observatory Methods.....3</p> <p>MATH 2155 Calculus II.....5</p> <p>FOURTH SEMESTER 14</p> <p>HIST 1483 American History to 1877 (or)</p> <p>HIST 1493 American History Since 1877 .3</p> <p>Humanities Elective 3</p> <p>Gen Ed & Program Electives 8</p> <p>This is a suggested sequence timeline only. A student may require more than four semesters to complete this 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>	<p>The suggested curriculum for the Astronomy degree option includes degree requirements and courses that are usually completed in the first two years of a four-year curriculum.</p> <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 ACT test scores or by COMPASS test scores. These tests are administered in the Testing Center at NOC. Based upon the scores, some or all of the following four courses may need to be taken:</p> <ul style="list-style-type: none"> • MATH 0023 Concepts of Algebra • MATH 0123 Intermediate Algebra • ENGL 0123 Basic Composition • READ 0123 Critical Content Reading and Scientific Reasoning
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Mathematics and Physical Science- Chemistry/Physics Option

<p>PROGRAM REQUIREMENTS</p> <p style="text-align: right;">Credit Hours</p> <p>GENERAL EDUCATION37</p> <p>ENGLISH COMPOSITION</p> <p>ENGL 1113 English Composition I 3</p> <p>ENGL 1213 English Composition II 3</p> <p>HISTORY AND GOVERNMENT</p> <p>HIST 1483 American History to 1877 (or)</p> <p>HIST 1493 Am. History Since 1877 3</p> <p>POLI 1113 American Government 3</p> <p>HUMANITIES</p> <p>Electives..... 6</p> <p>One 3-hour course to be chosen from those listed with International Dimension and 3 hours of humanities electives.</p> <p>MATHEMATICS</p> <p>MATH 1513 College Algebra 3</p> <p>SCIENCE</p> <p>One Biological Science with Lab 4</p> <p>CHEM 1314 Chemistry I 4</p> <p>COMPUTER SCIENCE</p> <p>BSAD 1113 Digital/Financial Literacy 3</p> <p>(or other approved computer course)</p> <p>ORIENTATION</p> <p>ORNT 1101 Freshman Orientation 1</p> <p>GENERAL EDUCATION ELECTIVES 4</p> <p>(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 courses in Language Arts, Natural Science, Foreign Languages, Fine Arts, Humanities, Mathematics, Behavioral or Social Sciences.)</p> <p>PROGRAM REQUIREMENTS 18</p> <p>**CHEM 1414 General Chemistry II 4</p> <p>**PHYS 2014 Engineering Physics I 4</p> <p>**MATH 2145 Calculus I 5</p> <p>**MATH 2155 Calculus II 5</p> <p>RECOMMENDED PROGRAM ELECTIVES.. .5</p> <p>**MATH 2613 Differential Equations 3</p> <p>**PHYS 2114 Engineering Physics II 4</p> <p>**PRDV 2321 Professional Development .. 1</p> <p>BISI 1214 Environmental Science 4</p> <p>TOTAL CREDIT HOURS 60</p>	<p>SUGGESTED COURSE SEQUENCE</p> <p style="text-align: right;">Credit Hours</p> <p>FIRST SEMESTER 17</p> <p>ENGL 1113 English Composition I 3</p> <p>CHEM 1314 General Chemistry I..... 4</p> <p>ORNT 1101 Freshman Orientation 1</p> <p>Humanities Electives 3</p> <p>MATH 1513 College Algebra (Pre-Calculus) . 3</p> <p>MATH 1613 Plane Trig..... 3</p> <p>SECOND SEMESTER 15</p> <p>ENGL 1213 English Composition II 3</p> <p>HIST 1483 American History to 1877 (or)</p> <p>HIST 1493 American History Since 1877 3</p> <p>CHEM 1414 General Chemistry II..... 4</p> <p>MATH 2145 Calculus I 5</p> <p>THIRD SEMESTER..... 15</p> <p>Humanities Elective 3</p> <p>BSAD 1113 Digital/Financial Literacy.....3</p> <p>MATH 2155 Calculus II 5</p> <p>PHYS 2014 Engineering Physics I..... 4</p> <p>FOURTH SEMESTER..... 13</p> <p>POLI 1113 American Government 3</p> <p>BISI 1114 General Biology (or)</p> <p>BISI 1414 General Zoology 4</p> <p>*Program/Gen Ed Electives 6</p> <p>This is a suggested sequence timeline only. A student may require more than four semesters to complete this Associate in Science degree.</p> <p>*Hours from recommended program electives and general education electives in Science may be combined for final 6 hours required to graduate.</p> <p>**These program courses are typically offered only once a year. See course descriptions for fall or spring designations and plan accordingly.</p>	<p>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.</p> <p>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.</p> <p>Career Opportunities</p> <p>Entry-Level Scientist</p> <p>High School Science Teacher</p> <p>Meteorologist</p> <p>Geologist</p> <p>Laboratory Chemist</p> <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 ACT test scores or by COMPASS test scores. These tests are administered in the Testing Center at NOC. Based upon the scores, some or all of the following four courses may need to be taken:</p> <ul style="list-style-type: none"> • MATH 0023 Concepts of Algebra • MATH 0123 Intermediate Algebra • ENGL 0123 Basic Composition • READ 0123 Critical Content Reading and Scientific Reasoning
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Mathematics and Physical Science – Mathematics Option

<p>PROGRAM REQUIREMENTS</p> <p style="text-align: right;">Credit Hours</p> <p>GENERAL EDUCATION 37</p> <p>ENGLISH COMPOSITION</p> <p>ENGL 1113 English Composition I 3</p> <p>ENGL 1213 English Composition II 3</p> <p>HISTORY AND GOVERNMENT</p> <p>HIST 1483 American History to 1877 (or)</p> <p>HIST 1493 Am. History Since 1877 3</p> <p>POLI 1113 American Government 3</p> <p>HUMANITIES</p> <p>Electives 6</p> <p>One 3-hour course to be chosen from those listed with International Dimension and 3 hours of humanities electives.</p> <p>MATHEMATICS</p> <p>MATH 1513 College Algebra* 3</p> <p>SCIENCE</p> <p>One Biological Science with Lab 4</p> <p>One Physical or Bio Science w/ Lab 4</p> <p>COMPUTER SCIENCE</p> <p>BSAD 1113 Digital/Financial Literacy 3</p> <p>(or other approved computer course)</p> <p>ORIENTATION</p> <p>ORNT 1101 Freshman Orientation 1</p> <p>GENERAL EDUCATION ELECTIVES 4</p> <p>(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 courses in Language Arts, Natural Science, Foreign Languages, Fine Arts, Humanities, Mathematics, Behavioral or Social Sciences.)</p> <p>PROGRAM REQUIREMENTS 13</p> <p>**MATH 2145 Calculus I 5</p> <p>**MATH 2155 Calculus II 5</p> <p>**MATH 2613 Differential Equations 3</p> <p>RECOMMENDED PROGRAM ELECTIVES .10</p> <p>Select courses from: Computer Science, Physics and Statistics.</p> <p>Other courses may be substituted with approval.</p> <p>TOTAL CREDIT HOURS 60</p> <p>*Students scoring 26 or above on the math subsection of the ACT do not have to take MATH 1513 College Algebra.</p> <p>Students scoring 28 or above on the math subsection of the ACT do not have to take MATH 1613 Plane Trigonometry.</p> <p>*Students not taking Algebra and 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>SUGGESTED COURSE SEQUENCE</p> <p style="text-align: right;">Credit Hours</p> <p>FIRST SEMESTER 16</p> <p>ENGL 1113 English Composition I 3</p> <p>BSAD 1113 Digital/Financial Literacy..... 3</p> <p>ORNT 1101 Freshman Orientation 1</p> <p>Humanities Electives 3</p> <p>MATH 1513 College Algebra (Pre-Calculus) 3</p> <p>MATH 1613 Plane Trig. 3</p> <p>SECOND SEMESTER 15</p> <p>ENGL 1213 English Composition II 3</p> <p>HIST 1483 American History to 1877 (or)</p> <p>HIST 1493 American History Since 1877 .. 3</p> <p>MATH 2145 Calculus I 5</p> <p>Science Elective (Biological or Physical) 4</p> <p>THIRD SEMESTER..... 15</p> <p>POLI 1113 American Government 3</p> <p>Science Elective (Biological or Physical) 4</p> <p>Humanities Elective 3</p> <p>MATH 2155 Calculus II 5</p> <p>FOURTH SEMESTER..... 14</p> <p>MATH 2613 Differential Equations 3</p> <p>Program Electives 7</p> <p>General Education Electives 4</p> <p>This is a suggested sequence timeline only. A student may require more than four semesters to complete this 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>	<p>The Mathematics degree option 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.</p> <p>Career Opportunities</p> <p>Math Education Mathematician Scientist</p> <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 ACT test scores or by COMPASS test scores. These tests are administered in the Testing Center at NOC. Based upon the scores, some or all of the following four courses may need to be taken:</p> <ul style="list-style-type: none"> • MATH 0023 Concepts of Algebra • MATH 0123 Intermediate Algebra • ENGL 0123 Basic Composition • READ 0123 Critical Content Reading and Scientific Reasoning
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Mathematics and Physical Science – Pre-Engineering Option

<p>PROGRAM REQUIREMENTS</p> <p style="text-align: right;">Credit Hours</p> <p>GENERAL EDUCATION 37</p> <p>ENGLISH COMPOSITION</p> <p>ENGL 1113 English Composition I 3</p> <p>ENGL 1213 English Composition II 3</p> <p>HISTORY AND GOVERNMENT</p> <p>HIST 1483 American History to 1877 (or)</p> <p>HIST 1493 Am. History Since 1877 3</p> <p>POLI 1113 American Government 3</p> <p>HUMANITIES</p> <p>Electives 6</p> <p>One 3-hour course to be chosen from those listed with International Dimension and 3 hours of humanities electives.</p> <p>MATHEMATICS</p> <p>MATH 1513 College Algebra* 3</p> <p>SCIENCE</p> <p>CHEM 1314 General Chemistry I 4</p> <p>CHEM 1414 General Chemistry II 4</p> <p>COMPUTER SCIENCE</p> <p>CS 1013 Visual BASIC 3</p> <p>(or other approved computer class)</p> <p>ORIENTATION</p> <p>ORNT 1101 Freshman Orientation 1</p> <p>GENERAL EDUCATION ELECTIVES 4</p> <p>(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 courses in Language Arts, Natural Science, Foreign Languages, Fine Arts, Humanities, Mathematics, Behavioral or Social Sciences.)</p> <p>PROGRAM REQUIREMENTS 18</p> <p>**MATH 2145 Calculus I 5</p> <p>**MATH 2155 Calculus II 5</p> <p>**PHYS 2014 Engineering Physics I 4</p> <p>**PHYS 2114 Engineering Physics II 4</p> <p>RECOMMENDED PROGRAM ELECTIVES... 6</p> <p>**ENGR 2113 Statics 3</p> <p>**ENGR 2443 Thermodynamics 3</p> <p>**MATH 2613 Differential Equations 3</p> <p>TOTAL CREDIT HOURS 61</p> <p>* Students scoring 26 or above on the math subsection of the ACT do not have to take MATH 1513 College Algebra.</p> <p>*Students scoring 28 or above on the math subsection of the ACT do not have to take MATH 1613 Plane Trigonometry.</p> <p>*Students not taking Algebra and 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>SUGGESTED COURSE SEQUENCE</p> <p style="text-align: right;">Credit Hours</p> <p>FIRST SEMESTER 14</p> <p>ENGL 1113 English Composition I 3</p> <p>ORNT 1101 Freshman Orientation 1</p> <p>CHEM 1314 General Chemistry I 4</p> <p>MATH 1513 College Algebra (Pre-Calculus) 3</p> <p>MATH 1613 Plane Trig 3</p> <p>SECOND SEMESTER 16</p> <p>ENGL 1213 English Composition II 3</p> <p>MATH 2145 Calculus I 5</p> <p>PHYS 2014 Engineering Physics I 4</p> <p>CHEM 1414 General Chemistry II 4</p> <p>THIRD SEMESTER..... 15</p> <p>HIST 1483 American History to 1877 (or)</p> <p>HIST 1493 American History Since 1877 .. 3</p> <p>ENGR 2443 Thermodynamics 3</p> <p>MATH 2155 Calculus II 5</p> <p>PHYS 2114 Engineering Physics II 4</p> <p>FOURTH SEMESTER 15</p> <p>POLI 1113 American Government 3</p> <p>ENGR 2113 Statics (or)</p> <p>MATH 2613 Differential Equations 3</p> <p>Humanities Elective 3</p> <p>Humanities Elective 3</p> <p>CS 1013 Visual BASIC 3</p> <p>Students need to consult with the engineering school of interest for Chemistry and Biology requirements.</p> <p>This is a suggested sequence timeline only. A student may require more than four semesters to complete this 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>	<p>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 for transfer so you may select the courses to meet the requirements needed to obtain the bachelor's degree you choose. The program features small class size and individual attention for this challenging degree.</p> <p>Career Opportunities</p> <p>Architect/Designer</p> <p>Chemical Engineer</p> <p>Civil Engineer</p> <p>Electrical Engineer</p> <p>Mechanical Engineer</p> <p>Metallurgical Engineer</p> <p>Petroleum Engineer</p> <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 ACT test scores or by COMPASS test scores. These tests are administered in the Testing Center at NOC. Based upon the scores, some or all of the following four courses may need to be taken:</p> <ul style="list-style-type: none"> • MATH 0023 Concepts of Algebra • MATH 0123 Intermediate Algebra • ENGL 0123 Basic Composition • READ 0123 Critical Content Reading and Scientific Reasoning
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Nursing, Pre-Baccalaureate, Pre-Professional

<p>PROGRAM REQUIREMENTS</p> <p style="text-align: right;">Credit Hours</p> <p>GENERAL EDUCATION 37</p> <p>ENGLISH COMPOSITION</p> <p>ENGL 1113 English Composition I..... 3</p> <p>ENGL 1213 English Composition II 3</p> <p>HISTORY AND GOVERNMENT</p> <p>HIST 1483 American History to 1877 (or)</p> <p>HIST 1493 Am. History Since 1877 3</p> <p>POLI 1113 American Government 3</p> <p>HUMANITIES</p> <p>Electives 6</p> <p>One 3-hour course to be chosen from those listed with International Dimension and 3 hours of humanities electives.</p> <p>Recommended: PHIL 2213 Ethics</p> <p>MATHEMATICS</p> <p>MATH 1513 College Algebra 3</p> <p>SCIENCE</p> <p>**BISI 2104 Human Anatomy 4</p> <p>CHEM 1314 General Chemistry I 4</p> <p>COMPUTER SCIENCE</p> <p>BSAD 1113 Digital/Financial Literacy..... 3</p> <p>(or other approved computer course)</p> <p>ORIENTATION</p> <p>ORNT 1101 Freshman Orientation 1</p> <p>GENERAL EDUCATION ELECTIVES..... 4</p> <p>(Students are directed to use these elective hours to meet a prerequisite for program classes with BISI 1114 General Biology or BISI 1124 Biology for Majors.)</p> <p>PROGRAM REQUIREMENTS..... 14</p> <p>**BISI 2204 Human Physiology..... 4</p> <p>BISI 2124 Microbiology..... 4</p> <p>PSYC 1113 General Psychology 3</p> <p>SOCI 1113 Principles of Sociology 3</p> <p>Substitutions may be made with prior approval.</p> <p>RECOMMENDED PROGRAM ELECTIVES... 9</p> <p>NUTR 2123 Intro to Human Nutrition 3</p> <p>MATH 2023 Elementary Statistics 3</p> <p>HLST 1113 Medical Terminology 3</p> <p>Consult transfer guidelines for specific institutions to identify other recommended electives.</p> <p>TOTAL CREDIT HOURS..... 60</p>	<p>SUGGESTED COURSE SEQUENCE</p> <p style="text-align: right;">Credit Hours</p> <p>FIRST SEMESTER 15</p> <p>ENGL 1113 English Composition I 3</p> <p>ORNT 1101 Freshman Orientation 1</p> <p>CHEM 1314 General Chemistry I 4</p> <p>MATH 1513 College Algebra 3</p> <p>BISI 1114 General Biology (or)</p> <p>BISI 1124 BISI Biology for Majors 4</p> <p>SECOND SEMESTER 16</p> <p>ENGL 1213 English Composition II 3</p> <p>HIST 1483 American History to 1877 (or)</p> <p>HIST 1493 American History Since 1877 3</p> <p>BISI 2124 Microbiology 4</p> <p>PSYC 1113 General Psychology 3</p> <p>MATH 2023 Elementary Statistics 3</p> <p>THIRD SEMESTER 16</p> <p>POLI 1113 American Government 3</p> <p>PHIL 2213 Ethics 3</p> <p>BISI 2104 Human Anatomy 4</p> <p>PSYC 1113 Principles of Sociology 3</p> <p>BSAD 1113 Digital/Financial Literacy..... 3</p> <p>FOURTH SEMESTER..... 13</p> <p>Humanities Elective 3</p> <p>HLST 1113 Medical Terminology 3</p> <p>BISI 2204 Human Physiology 4</p> <p>NUTR 2123 Intro to Human Nutrition 3</p> <p>This is a suggested sequence timeline only. A student may require more than four semesters to complete this 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>	<p>This Associate in Science degree program prepares students to transfer to a four-year university to pursue the Bachelor's degree in Nursing. Graduates of this program may not 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.</p> <p>Career Opportunities</p> <p>Nursing</p> <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 ACT test scores or by COMPASS test scores. These tests are administered in the Testing Center at NOC. Based upon the scores, some or all of the following four courses may need to be taken:</p> <ul style="list-style-type: none"> • MATH 0023 Concepts of Algebra • MATH 0123 Intermediate Algebra • ENGL 0123 Basic Composition • READ 0123 Critical Content Reading and Scientific Reasoning
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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

PROGRAM REQUIREMENTS

Credit Hours

GENERAL EDUCATION18

COMMUNICATIONS

ENGL 1113 English Composition I.....3

ENGL 1213 English Composition II (or)

ENGL 1223 Technical Writing3

HISTORY AND GOVERNMENT

HIST 1483 American History to 1877 (or)

HIST 1493 American History Since 18773

POLI 1113 American Government.....3

MATHEMATICS

MATH 1493 Math Applications (or)

MATH 1513 College Algebra3

COMPUTER SCIENCE

BSAD 1113 Digital/Financial Literacy.....3

(or other approved computer class)

GUIDED ELECTIVES*.....12

WORLD CULTURES (Choose one of the following).....3

ART 1113 World Art.....3

HUMN 1133 World Religions.....3

HUMN 2113 Ancient Arts and Culture.....3

HUMN 2223 Modern Arts and Culture.....3

LIT 2113 World Literature to 1650.....3

LIT 2223 World Literature since 1650.....3

MUSC 1113 Appreciation of International Music.....3

GLBL 2243 International Internship in World Cultures.....3

Any course with GLOBL (Global Studies) prefix.....3

WORLD GEOGRAPHY (Choose one of the following).....3

GEOG 2253 World Regional Geography.....3

HIST 1223 Modern World History.....3

HIST 1713 History of Eastern Civilization.....3

HIST 2113 History of Latin American Civilization.....3

GLBL 2343 International Internship in World Geography.....3

WORLD VALUES AND CHOICES (Choose one of the following).....3

PHIL 2213 Ethics.....3

PHIL 2223 Business Ethics.....3

PSYC 1113 General Psychology.....3

PSYC 2233 Social Psychology.....3

SOCI 1113 Principles of Sociology.....3

SOCI 2223 Social Problems.....3

GLBL 2443 International Internship in World Values and Choices.....3

SELECT ONE COURSE FROM ANY OF THE GUIDED ELECTIVES ABOVE3

*Substitutions upon approval

EXPERIENTIAL TECHNICAL TRAINING ACCEPTED FROM THE MILITARY30

TOTAL CREDIT HOURS 60

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. Students will be requested to provide an official transcript from their respective branch of service.

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 ACT test scores or by COMPASS test scores. These tests are administered by the Testing Center at NOC. Based upon the scores, some or all of the following four courses may need to be taken:

- MATH 0023 Concepts of Algebra
- MATH 0123 Intermediate Algebra
- ENGL 0123 Basic Composition
- READ 0123 Critical Content Reading and Scientific Reasoning

Business Management

PROGRAM REQUIREMENTS	CREDIT HOURS	SUGGESTED COURSE SEQUENCE	CREDIT HOURS	
GENERAL EDUCATION	22	FIRST SEMESTER	16	<p>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. Twelve credit hours in addition to the Associate in Science in Business Administration will complete the dual degree program.</p> <p>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.</p> <p>Career Opportunities: Basic Entrepreneurial Activities Bookkeeping/ Accounting Clerk Entry-Level Management</p> <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 ACT test scores or by COMPASS test scores. These tests are administered in the Testing Center at NOC. Based upon the scores, some or all of the following four courses may need to be taken:</p> <ul style="list-style-type: none"> • MATH 0023 Concepts of Algebra • MATH 0123 Intermediate Algebra • ENGL 0123 Basic Composition • READ 0123 Critical Content Reading and Scientific Reasoning
COMMUNICATIONS		BSAD 1103 Introduction to Business	3	
ENGL 1113 English Composition I	3	Computer Science Elective	3	
ENGL 1213 English Composition II (or)		ENGL 1113 English Composition I	3	
BSAD 2113 Business Communications...	3	MATH 1483 Math Functions	3	
HISTORY AND GOVERNMENT		ORNT 1101 Freshman Orientation	1	
HIST 1483 American History to 1877 (or)		POLI 1113 American Government	3	
HIST 1493 Am. History Since 1877	3	SECOND SEMESTER	15	
POLI 1113 American Government	3	ACCT 2103 Accounting I-Financial	3	
MATHEMATICS		ECON 2123 Microeconomic Principles	3	
MATH 1483 Math Functions (or)		ENGL 1213 English Composition II (or)		
Higher level math	3	BSAD 2113 Business Communications ...	3	
COMPUTER SCIENCE		HIST 1483 American History to 1877 (or)		
CS 1113 Computer Concepts (or)		HIST 1493 American History Since 1877	3	
BSAD 1113 Digital/Financial Literacy ...	3	Recommended Electives	3	
(or other approved computer course)		THIRD SEMESTER	15	
ORIENTATION		ACCT 2123 Computer Accounting I	3	
ORNT 1101 Freshman Orientation	1	BMGT 2263 Principles of Management	3	
GENERAL EDUCATION ELECTIVES	3	CS 2123 Bus. Tech. & Applications	3	
Recommended: PHIL 2223 Business Ethics		ECON 2113 Macroeconomic Principles	3	
BUSINESS CORE REQUIREMENTS	18	PHIL 2223 Business Ethics	3	
ACCT 2103 Accounting I-Financial	3	FOURTH SEMESTER	15	
**BMGT 2263 Principles of Management ..	3	ACCT 2203 Accounting II-Managerial	3	
**BMGT 2233 Human Resource Mgt	3	BMGT 2143 Marketing	3	
BSAD 1103 Introduction to Business	3	BMGT 2233 Human Resource Management	3	
CS 2123 Business Tech. & Applications	3	Recommended Electives	6	
ECON 2123 Microeconomic Principles	3			
PROGRAM REQUIREMENTS	12	This is a suggested sequence timeline only. A student may require more than four semesters to complete an Associate in Applied Science degree.		
**ACCT 2123 Computer Accounting I	3	**These program courses are typically offered only once a year. See course descriptions for fall or spring designations and plan accordingly.		
ACCT 2203 Accounting II-Managerial.....	3			
**BMGT 2143 Marketing	3			
ECON 2113 Macroeconomic Principles	3			
RECOMMENDED ELECTIVES	9			
MATH 2023 Elementary Statistics	3			
BMGT 2240 Business Internship	3			
PSYC 1113 Psychology (or)				
SOCI 1113 Sociology	3			
SPCH 1713 Intro to Oral Communication...	3			
TOTAL CREDIT HOURS	61			

Business Management – Accounting Option

PROGRAM REQUIREMENTS	CREDIT HOURS	SUGGESTED COURSE SEQUENCE	CREDIT HOURS	
GENERAL EDUCATION	22	FIRST SEMESTER	16	<p>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. Twelve credit hours in addition to the Associate in Science in Business Administration will complete the dual degree program.</p> <p>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.</p> <p>Career Opportunities: Basic Entrepreneurial Activities Bookkeeping/ Accounting Clerk Entry-Level Management</p> <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 ACT test scores or by COMPASS test scores. These tests are administered in the Testing Center at NOC. Based upon the scores, some or all of the following four courses may need to be taken:</p> <ul style="list-style-type: none"> • MATH 0023 Concepts of Algebra • MATH 0123 Intermediate Algebra • ENGL 0123 Basic Composition • READ 0123 Critical Content Reading and Scientific Reasoning
COMMUNICATIONS		BSAD 1103 Introduction to Business	3	
ENGL 1113 English Composition I	3	Computer Science Elective	3	
ENGL 1213 English Composition II (or)		ENGL 1113 English Composition I	3	
BSAD 2113 Business Communications... 3		MATH 1483 Math Functions	3	
HISTORY AND GOVERNMENT		ORNT 1101 Freshman Orientation	1	
HIST 1483 American History to 1877 (or)		ACCT 1203 Fundamentals of Accounting .. 3		
HIST 1493 Am. History Since 1877	3	SECOND SEMESTER	15	
POLI 1113 American Government	3	ACCT 2103 Accounting I-Financial	3	
MATHEMATICS		POLI 1113 American Government	3	
MATH 1483 Math Functions (or)		ENGL 1213 English Composition II (or)		
Higher level math	3	BSAD 2113 Business Communications ... 3		
COMPUTER SCIENCE		HIST 1483 American History to 1877 (or)		
CS 1113 Computer Concepts (or)		HIST 1493 American History Since 1877 3		
BSAD 1113 Digital/Financial Literacy ... 3		CS 2123 Bus. Tech. & Applications	3	
(or other approved computer course)		THIRD SEMESTER	15	
ORIENTATION		ACCT 2123 Computer Accounting I	3	
ORNT 1101 Freshman Orientation	1	ACCT 2203 Accounting II-Managerial	3	
GENERAL EDUCATION ELECTIVES	3	BMGT 2263 Principles of Management	3	
Recommended: PHIL 2223 Business Ethics		Recommended Electives	3	
BUSINESS CORE REQUIREMENTS	18	PHIL 2223 Business Ethics	3	
ACCT 2103 Accounting I-Financial	3	FOURTH SEMESTER	15	
**BMGT 2263 Principles of Management .. 3		BMGT 2240 Busn/Acct Internship	3	
**BMGT 2233 Human Resource Mgt	3	BMGT 2233 Human Resource Management 3		
BSAD 1103 Introduction to Business	3	MATH 2023 Elementary Statistics	3	
CS 2123 Business Tech. & Applications 3		Recommended Electives	6	
ECON2123 Microeconomic Principles	3			
PROGRAM REQUIREMENTS	15	This is a suggested sequence timeline only. A student may require more than four semesters to complete an Associate in Applied Science degree.		
**ACCT 1203 Fund of Accounting..... 3		**These program courses are typically offered only once a year. See course descriptions for fall or spring designations and plan accordingly.		
**ACCT 2123 Computer Accounting I	3			
ACCT 2203 Accounting II-Managerial..... 3				
BMGT 2240 Busn/Acct Internship	3			
MATH 2023 Elementary Statistics	3			
RECOMMENDED ELECTIVES	6			
**BMGT 2143 Marketing	3			
ECON 2113 Macroeconomic Principles 3				
PSYC 1113 Psychology (or)				
SOCI 1113 Sociology	3			
SPCH 1713 Intro to Oral Communication... 3				
TOTAL CREDIT HOURS	61			

Business Management – Entrepreneurship Option

<p>PROGRAM REQUIREMENTS</p> <p style="text-align: right;">Credit Hours</p> <p>GENERAL EDUCATION 22</p> <p>COMMUNICATIONS</p> <p>ENGL 1113 English Composition I..... 3</p> <p>ENGL 1213 English Composition II (or)</p> <p>BSAD 2113 Business Communications...3</p> <p>HISTORY AND GOVERNMENT</p> <p>HIST 1483 American History to 1877 (or)</p> <p>HIST 1493 Am. History Since 18773</p> <p>POLI 1113 American Government3</p> <p>MATHEMATICS</p> <p>MATH 1483 Math Functions (or)</p> <p>Higher level math 3</p> <p>COMPUTER SCIENCE</p> <p>CS 1113 Computer Concepts (or)</p> <p>BSAD 1113 Digital/Financial Literacy.... 3</p> <p>ORIENTATION</p> <p>ORNT 1101 Freshman Orientation 1</p> <p>GENERAL EDUCATION ELECTIVES.....3</p> <p>Recommended: PHIL 2223 Business Ethics</p> <p>BUSINESS CORE REQUIREMENTS 18</p> <p>ACCT 2103 Accounting I-Financial 3</p> <p>**BMGT 2263 Principles of Management .. 3</p> <p>**BMGT 2233 Human Resource Mgt..... 3</p> <p>**BSAD 1203 Intro to Entrepreneurship 3</p> <p>CS 2123 Business Tech. & Applications 3</p> <p>ECON2123 Microeconomic Principles (or)</p> <p>ECON 2113 Macroeconomic Principles.. 3</p> <p>PROGRAM REQUIREMENTS 9</p> <p>ACCT 2203 Accounting II-Managerial..... 3</p> <p>**BMGT 2143 Marketing 3</p> <p>**ACCT 2123 Computer Accounting I 3</p> <p>TECHNICAL OCCUPATIONAL SPECIALTY OR COURSEWORK..... 12</p> <p>Option 1: Credit for prior learning assessment OR</p> <p>Option 2: Coursework (12 cr.hr. selected from the following:)</p> <p>BMGT 2240 Business Internship 3</p> <p>BSAD 1103 Introduction to Business 3</p> <p>BSAD 2313 Business Law 3</p> <p>ECON 2123 Microeconomic Principles (or)</p> <p>ECON 2113 Macroeconomic Principles . 3</p> <p>GLBL 2133 Intro to Int'l Busn Cultures..... 3</p> <p>MATH 2023 Elementary Statistics..... 3</p> <p>PSYC 1113 Psychology (or)</p> <p>SOCI 1113 Sociology 3</p> <p>SPCH 1713 Intro to Oral Comm.....3</p> <p>TOTAL CREDIT HOURS..... 61</p>	<p>SUGGESTED COURSE SEQUENCE (If Option 2 is selected for the "Technical Occupational Specialty or Coursework")</p> <p style="text-align: right;">Credit Hours</p> <p>FIRST SEMESTER 16</p> <p>BSAD 1203 Intro to Entrepreneurship 3</p> <p>Computer Science Elective..... 3</p> <p>ENGL 1113 English Composition I 3</p> <p>HIST 1483 American History to 1877 (or)</p> <p>HIST 1493 American History Since 1877. 3</p> <p>ORNT 1101 Freshman Orientation 1</p> <p>MATH 1483 Math Functions 3</p> <p>SECOND SEMESTER 15</p> <p>ACCT 2103 Accounting I-Financial 3</p> <p>CS 2123 Bus. Tech. & Applications 3</p> <p>ENGL 1213 English Composition II (or)</p> <p>BSAD 2113 Business Communications .3</p> <p>Technical Specialty/Coursework Electives 6</p> <p>THIRD SEMESTER 15</p> <p>ACCT 2123 Computer Accounting I 3</p> <p>BMGT 2263 Principles of Management 3</p> <p>POLI 1113 American Government 3</p> <p>Technical Specialty/Coursework Elective .3</p> <p>GLBL 2133 Introduction to International Business Cultures..... 3</p> <p>FOURTH SEMESTER 15</p> <p>ACCT 2203 Managerial Accounting 3</p> <p>BMGT 2233 Human Resource Mgmt 3</p> <p>ECON 2123 Microeconomic Principles (or)</p> <p>ECON 2113 Macroeconomic Principles. 3</p> <p>BMGT 2143 Marketing 3</p> <p>PHIL 2223 Business Ethics 3</p> <p> </p> <p>This is a suggested sequence timeline only. A student may require more than four semesters to complete an Associate in Applied 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>	<p>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. Entrepreneurial skills can be utilized in business development and within existing organizations to effect changes necessary to the success and survival of the organization. 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. 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. 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.</p> <p>Career Opportunities: Basic Entrepreneurial Activities Entry-Level Management</p> <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 ACT test scores or by COMPASS test scores. These tests are administered in the Testing Center at NOC. Based upon the scores, some or all of the following four courses may need to be taken:</p> <ul style="list-style-type: none"> • MATH 0023 Concepts of Algebra • MATH 0123 Intermediate Algebra • ENGL 0123 Basic Composition • READ 0123 Critical Content Reading and Scientific Reasoning
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Digital Media Animation And Design

PROGRAM REQUIREMENTS

	Credit Hours
GENERAL EDUCATION	19
COMMUNICATIONS	
ENGL 1113 English Composition I.....	3
ENGL 1213 English Composition II.....	3
HISTORY AND GOVERNMENT	
HIST1483 American History to 1877 (or)	
HIST1493 American History Since 1877 ..	3
POLI 1113 American Government	3
MATHEMATICS	
MATH 1493 Math Applications (or)	
MATH 1513 College Algebra	3
SPEECH	
SPCH 1713 Intro to Oral Comm.....	3
ORIENTATION	
ORNT 1101 Freshman Orientation	1
TECHNICAL CORE	17
DMAD 1113 Intro to Digital Video - 2D Animation	3
DMAD 1123 Web Design-Dreamweaver .	3
DMAD 1133 Intro to 3D Anim-Maya	3
DMAD 1213 Graphic Design-Photoshop .	3
DMAD 1233 Digital Filmmaking	3
DMAD 1142 Media Ethics.....	2
TECHNICAL SUPPORT COURSES	24
DMAD 2313 Motion Graphics I	3
DMAD 2323 3D Animation II-Maya	3
DMAD 2333 3D Animation III-Maya	3
DMAD 2343 Texturing - Photoshop.....	3
DMAD 2353 Digital Video II-Post-Prod.....	3
DMAD 2363 Motion Graphics II	3
DMAD 2373 Motion Graphics III.....	3
DMAD 2383 Multimedia Project	3
REQUIRED CORE CREDIT HOURS	60

PROGRAM REQUIREMENTS

	Credit Hours
FALL SEMESTER.....	18
ORNT 1101 Freshman Orientation.....	1
ENGL 1113 English Composition I.....	3
MATH 1493 Math Applications	3
DMAD 1213 Graphic Design - Photoshop.....	3
DMAD 1123 Web Design - Dreamweaver.....	3
DMAD 1113 Intro to Digital Video – 2D Animation	3
DMAD 1142 Media Ethics	2
SPRING SEMESTER	12
ENGL 1213 English Composition II	3
POLI 1113 American Government.....	3
DMAD 1133 Intro to 3D Animation-Maya....	3
DMAD 1233 Digital Filmmaking.....	3
FALL SEMESTER	15
HIST 1483 American History to 1877 (or)	
HIST 1493 American History Since 1877 ...	3
DMAD 2313 Motion Graphics I	3
DMAD 2323 3D Animation II - Maya.....	3
DMAD 2343 Texturing - Photoshop	3
DMAD 2363 Motion Graphics II	3
SPRING SEMESTER.....	15
SPCH 1713 Intro to Oral Comm	3
DMAD 2333 3D Animation III - Maya.....	3
DMAD 2373 Motion Graphics III	3
DMAD 2353 Digital Video II – Post-Production	3
DMAD 2383 Multimedia Project.....	3

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

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 art of advanced computer graphics.

Career Opportunities

- Graphic Designer / Web Designer
- Motion Graphics Animator
- 3DModeler/Animator
- Texture Artist
- Game Asset/Level Designer
- Post-Production Specialist
- Visual Effects Artist
- Editor ~ Movies, Commercials, Broadcast

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- MATH 0023 Concepts of Algebra
- MATH 0123 Intermediate Algebra
- ENGL 0123 Basic Composition
- READ 0123 Critical Content Reading and Scientific Reasoning

Engineering and Industrial Technology - Power Generation Option

PROGRAM REQUIREMENTS

	Credit Hours
GENERAL EDUCATION.....	18
COMMUNICATIONS	
ENGL 1113 English Composition I.....	3
ENGL 1213 English Composition II (or)	
ENGL 1223 Technical Writing (or)	
SPCH 1713 Introduction to Oral Communication.....	3
HISTORY AND GOVERNMENT	
HIST 1483 American History to 1877 (or)	
HIST 1493 American History Since 1877.....	3
POLI 1113 American Government.....	3
MATHEMATICS	
MATH 1493 Math Applications (or)	
MATH 1513 College Algebra.....	3
COMPUTER SCIENCE	
BSAD 1113 Digital/Financial Literacy.....	3
(or other approved computer class)	
TECHNICAL OCCUPATIONAL SPECIALTY.....	42
<p>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:</p> <p>Apprenticeship Level C-1, C-2 and C-3: 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.</p> <p>Apprenticeship Level B-1 and B-2: Coal System, Pulverizers 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.</p> <p>Apprenticeship Level A-1 and A-2: 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.</p> <p>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.</p>	
TOTAL CREDIT HOURS.....	60

This 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

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Engineering and Industrial Technology - Process Technology Option

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Nursing - Registered Nurse (RN)

<p>PROGRAM REQUIREMENTS</p> <p style="text-align: right;">Credit Hours</p> <p>GENERAL EDUCATION.....13</p> <p>COMMUNICATIONS</p> <p>ENGL 1113 English Composition I3</p> <p>ENGL 1213 English Composition II 3</p> <p>HISTORY AND GOVERNMENT</p> <p>HIST 1483 American History to 1877 (or)</p> <p>HIST 1493 Am. History Since 1877 3</p> <p>POLI 1113 American Government 3</p> <p>ORIENTATION</p> <p>ORNT 1101 Freshman Orientation1</p> <p>MATHEMATICS</p> <p>*MATH 0023 Concepts of Algebra.....(3)</p> <p>NURSING CORE REQUIREMENTS..... 18</p> <p>BISI 1124 General Biology for Majors (or)</p> <p>BISI 1114 General Biology (or)</p> <p>CHEM 1314 General Chemistry I4</p> <p>General Biology or Chemistry I must be completed before enrolling in sophomore level science courses.</p> <p>BISI 2124 Microbiology4</p> <p>BISI 2214 Human Anat. & Physiology.....4</p> <p>PSYC 1113 General Psychology3</p> <p>SOCI 1113 Principles of Sociology (or)</p> <p>SOCI 2223 Social Problems.....3</p> <p>PROGRAM REQUIREMENTS..... 37</p> <p>NURS 1114 Fundamentals of Nursing.....4</p> <p>NURS 1124 Fundamentals of Practicum ...4</p> <p>NURS 1234 Nursing of Adults4</p> <p>NURS 1244 Nursing of Adults I Pract.4</p> <p>NURS 2071 Seminar in Nursing I.....1</p> <p>NURS 2072 Seminar in Nursing II2</p> <p>NURS 2334 Maternal Child Nursing4</p> <p>NURS 2344 Maternal Child Nrsng Pract.....4</p> <p>NURS 2415 Nursing of Adults II5</p> <p>NURS 2425 Nursing of Adults II Pract.5</p> <p>TOTAL CREDIT HOURS68</p> <p>*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 COMPASS).</p>	<p>PROGRAM REQUIREMENTS</p> <p style="text-align: right;">Credit Hours</p> <p>FIRST SEMESTER16</p> <p>* BISI 1114 General Biology (or)</p> <p>* CHEM 1314 General Chemistry I4</p> <p>NURS 1114 Fundamentals of Nursing4</p> <p>NURS 1124 Fundamentals Practicum4</p> <p>ORNT 1101 Freshman Orientation1</p> <p>* PSYC 1113 General Psychology.....3</p> <p>SECOND SEMESTER18</p> <p>* BISI 2214 Human Anatomy & Physiology.....4</p> <p>ENGL 1113 English Composition3</p> <p>NURS 1234 Nursing of Adults I4</p> <p>NURS 1244 Nursing of Adults I Practicum.....4</p> <p>* SOCI 1113 Principles of Sociology (or)</p> <p>*SOCI 2223 Social Problems.....3</p> <p>THIRD SEMESTER.....16</p> <p>* BISI 2124 Microbiology4</p> <p>ENGL 1213 English Composition II.....3</p> <p>NURS 2334 Maternal Child Nursing4</p> <p>NURS 2344 Maternal Child Nursing Pract4</p> <p>NURS 2071 Seminar in Nursing I1</p> <p>FOURTH SEMESTER.....18</p> <p>HIST 1483 American History to 1877 (or)</p> <p>HIST 1493 American History Since 1877...3</p> <p>NURS 2415 Nursing of Adults II5</p> <p>NURS 2425 Nursing of Adults II Practicum...5</p> <p>NURS 2072 Seminar in Nursing II2</p> <p>POLI 1113 American Government.....3</p> <p>* Required core courses must have been taken within the last 5 years with a grade of C or above. This can be waived if student has a degree or is an LPN.</p> <p>This is a suggested sequence timeline only. A student may require more than four semesters to complete an Associate in Applied Science degree.</p>	<p>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 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. 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.</p> <p>Career Opportunities Registered Nurse (RN)</p> <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 ACT test scores or by COMPASS test scores. These tests are administered in the Testing Center at NOC. Based upon the scores, some or all of the following four courses may need to be taken:</p> <ul style="list-style-type: none"> • MATH 0023 Concepts of Algebra • MATH 0123 Intermediate Algebra • ENGL 0123 Basic Composition • READ 0123 Critical Content Reading and Scientific Reasoning
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Practical Nurse Eligibility Certificate

<p>PROGRAM REQUIREMENTS</p> <p style="text-align: right;">Credit Hours</p> <p>GENERAL EDUCATION..... 13</p> <p>COMMUNICATIONS</p> <p>ENGL 1113 English Composition I3</p> <p>ENGL 1213 English Composition II 3</p> <p>HISTORY AND GOVERNMENT</p> <p>HIST 1483 American History to 1865 (or)</p> <p>HIST 1493 Am. History Since 1865 3</p> <p>POLI 1113 American Government 3</p> <p>ORIENTATION</p> <p>ORNT 1101 Freshman Orientation1</p> <p>MATHEMATICS</p> <p>*MATH 0023 Concepts of Algebra.....(3)</p> <p>NURSING CORE REQUIREMENTS..... 18</p> <p>BISI 1124 General Biology for Majors</p> <p>(or)</p> <p>BISI 1114 General Biology</p> <p>(or)</p> <p>CHEM 1314 General Chemistry I4</p> <p>General Biology or Chemistry I must be completed before enrolling in sophomore level science courses.</p> <p>BISI 2124 Microbiology4</p> <p>BISI 2214 Human Anat. & Physiology.....4</p> <p>PSYC 1113 General Psychology3</p> <p>SOCI 1113 Principles of Sociology (or)</p> <p>SOCI 2223 Social Problems.....3</p> <p>PROGRAM REQUIREMENTS..... 25</p> <p>NURS 1114 Fundamentals of Nursing.....4</p> <p>NURS 1124 Fundamentals of Practicum ...4</p> <p>NURS 1234 Nursing of Adults4</p> <p>NURS 1244 Nursing of Adults I Pract.4</p> <p>NURS 2071 Seminar in Nursing I.....1</p> <p>NURS 2334 Maternal Child Nursing4</p> <p>NURS 2344 Maternal Child Nrsng Pract.....4</p> <p>TOTAL CREDIT HOURS56</p> <p> </p> <p>*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 COMPASS).</p>	<p>PROGRAM REQUIREMENTS</p> <p style="text-align: right;">Credit Hours</p> <p>FIRST SEMESTER19</p> <p>* BISI 1114 General Biology (or)</p> <p>* CHEM 1314 General Chemistry I4</p> <p>NURS 1114 Fundamentals of Nursing.....4</p> <p>NURS 1124 Fundamentals Practicum4</p> <p>ORNT 1101 Freshman Orientation1</p> <p>* PSYC 1113 General Psychology.....3</p> <p>HIST 1483 American History to 1865 (or)</p> <p>HIST 1493 Am. History Since 18653</p> <p>SECOND SEMESTER18</p> <p>* BISI 2214 Human Anatomy & Physiology.....4</p> <p>ENGL 1113 English Composition3</p> <p>NURS 1234 Nursing of Adults I4</p> <p>NURS 1244 Nursing of Adults I Practicum.....4</p> <p>* SOCI 1113 Principles of Sociology (or)</p> <p>*SOCI 2223 Social Problems.....3</p> <p>THIRD SEMESTER.....19</p> <p>*BISI 2124 Microbiology.....4</p> <p>ENGL 1213 English Composition II.....3</p> <p>NURS 2334 Maternal Child Nursing.....4</p> <p>NURS 2344 Maternal Child Nursing Pract.....4</p> <p>NURS 2071 Seminar in Nursing I.....1</p> <p>POLI 1113 American Government3</p> <p> </p> <p>* Required core courses must have been taken within the last 5 years with a grade of C or above. This requirement may be waived if student already has a degree.</p> <p>This is a suggested sequence timeline only. Course Load per semester can be reduced by taking some of the general education coursework in the summer.</p> <p> </p> <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 ACT test scores or by COMPASS test scores. These tests are administered in the Testing Center at NOC. Based upon the scores, some or all of the following four courses may need to be taken:</p> <ul style="list-style-type: none"> • MATH 0023 Concepts of Algebra • MATH 0123 Intermediate Algebra • ENGL 0123 Basic Composition • READ 0123 Critical Content Reading and Scientific Reasoning 	<p>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.</p> <p>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.</p> <p>Career Opportunities</p> <p style="text-align: center;">Licensed Practical Nurse (LPN)</p>
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2016-2017 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 2nd 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 College Algebra 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 - Dreamweaver

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 - Maya

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 1142 Media Ethics

This course will explore the current ethical and legal issues that apply in today's changing environment of entertainment and multimedia. Students will discuss the morality of P2P distribution, copyright issues and the rights of intellectual property. Students will develop a better understanding of the responsibility that they face in order to make an ethical decision pertaining to specific issues.

DMAD 1213 Graphic Design - Photoshop

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 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 - Maya

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 - Maya

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 - Photoshop

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 into an integrated, interactive Digital Video Disc. Students will complete the course by implementing their final rendered project as a DVD demonstration reel. DMAD majors only.

DMAD 2363 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 2373 Motion Graphics III

This course further expands the advanced visual effects techniques used in today's production spots and movies. Students will explore advanced greenscreen techniques, compositing issues, and color correction of footage. A systematic process of identifying specific requirements will be developed between the student and instructor incorporating group projects. *DMAD majors only*

DMAD 2383 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.

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 or 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)

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 2nd 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.

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.

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

A study of fundamentals of photography for the beginning student or hobbyist interested in gaining a familiarization of photography. The class will study the controls found on adjustable cameras; basic photographic techniques; composition; available light and flash photography; black & white and color films. Students wishing to learn how to process b&w film and prints should also enroll in JOUR 1131 Beginning Black & White Lab. Access to and use of an adjustable 35mm film or 35mm style digital camera is essential to this course. There are a limited number of cameras for check out. Assignments for this course can be produced in the JOUR 1131 Black and White lab course. Photography and Digital Imaging majors must enroll in JOUR 1131 concurrently.

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 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 0022 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 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 statistics, 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: "C" or better in MATH 0023 Concepts of Algebra or equivalent placement scores.

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, arithmetic and geometric sequences and summations. 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: "C" or better in MATH 0023 Concepts of Algebra or higher.

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: "C" or better in MATH 0023 Concepts of Algebra or equivalent placement scores

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 2nd 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 21st 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