

This degree is offered on NOC Enid, NOC Stillwater, and NOC Tonkawa campuses.

**Program Requirements 60 Total Credit Hours**

General Education Courses				37 Total Credit Hours	Program Requirement Courses			20 hours	
English Composition Courses						MATH	1613	Plane Trigonometry	3 hours
	ENGL	1113	English Composition I	3 hours	**	MATH	2144	Calculus I	4 hours
	ENGL	1213	English Composition II	3 hours	**	MATH	2154	Calculus II	4 hours
History & Government Courses					**	MATH	2164	Calculus III	4 hours
	HIST	1483	American History to 1877	3 hours		PRDV	2321	Professional Development	1 hour
or	HIST	1493	American History Since 1877			PHYS	2114	Engineering Physics II	4 hours
	POLI	1113	American Government	3 hours					
Humanities Courses									
	Electives			6 hours	Recommended Program Elective Courses				3 hours
One 3 hour course to be chosen from those listed with the International Dimension and 3 hours of humanities electives.					(Combine with Gen Ed. Hours to choose 6 hours)				
Mathematics Courses						ESCI	1214	Earth Science	4 hours
	MATH	1513	Algebra for STEM	3 hours		BIOL	1314	General Botany	4 hours
Science Courses						BIOL	1414	General Zoology	4 hours
*	CHEM	1515	Chemistry for Engineers	5 hours		COMM	1713	Intro to Oral Communication	3 hours
	PHYS	2014	Engineering Physics I	4 hours		ENGL	1223	Technical Writing	3 hours
Computer Science Courses						MCOM	1113	Writing for Mass Media	3 hours
	BADM	1113	Digital/Financial Literacy	3 hours	Additional Programming Language				3 hours
or	Other approved computer course					BIOL	1114	General Biology	4 hours
Orientation Course						BIOL	2124	Microbiology	4 hours
	ORNT	1101	Freshman Orientation	1 hour					
General Education Elective Course				3 hours					
Select courses from: Language Arts, Natural Sciences, Foreign Languages, Fine Arts, Humanities, Mathematics, Behavioral or Social Sciences					**These program courses are typically offered only once a year. See course descriptions for fall or spring designations and plan accordingly.				

\* CHEM 1315 and CHEM 1414 can be substituted for CHEM 1515.

Tonkawa -CHEM 1515 offered Fall only

Enid - CHEM 1515 offered Spring only

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.

**Career Opportunities:** Meteorology, Math Education, Mathematician, Scientist

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.

### Year One

Fall Semester			Spring Semester		
ENGL	1113	English Composition I	ENGL	1213	English Composition II
ORNT	1101	Freshman Orientation	HIST	1483	American History to 1877
**MATH	1613	Plane Trigonometry	or		
*CHEM	1515	Chemistry for Engineers	HIST	1493	American History Since 1877
**MATH	1513	Algebra for STEM -If ACT score requires it	*MATH	2144	Calculus I
		or Additional Program Elective	BADM	1113	Digital/Financial Literacy
			PHYS	2014	Engineering Physics I (Spring only)
			PRDV	2321	Professional Development
Total: 15 credit hours			Total 18 credit hours		

### Year Two

Fall Semester			Spring Semester		
POLI	1113	American Government	*MATH	2164	Calculus III
PHYS	2114	Engineering Physics II		3 hours	Humanities Elective
	3 hours	Humanities Elective		6 hours	Program Electives
*MATH	2154	Calculus II			
Total 14 credit hours			Total 13 credit hours		

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

\*\*Students scoring 26 or above on the math subsection of the ACT do not have to take MATH 1513 Algebra for STEM. Students scoring 28 or above on the math subsection of the ACT do not have to take MATH 1613 Plane Trigonometry. Students not taking Algebra & 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.

NOC evaluates students for placement into supplemental/college-level courses or college-level courses, whichever will lead to the greatest possibility of student success. Academic placement is determined by A.C.T. test scores, corresponding A.C.T. challenge tests, holistic placement, or other college approved placement tests. These tests are administered in the Testing Center at NOC. Based upon the scores, students may be required to take one or more supplemental courses for English, Math, Social Science or Nursing. See the NOC testing web page by clicking on the following link: <http://www.noc.edu/act> for placement guidelines.