

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	**	ENGR 1111	Intro to Engineering 1 hour
or HIST 1493	American History Since 1877			PHYS 2114	Engineering Physics II 4 hours
POLI 1113	American Government	3 hours	or	PHYS 1214	General Physics II
Humanities Courses				Recommended Program Elective Courses 3 hours	
Electives 6 hours				(Combine with Gen Ed. Hours to choose 6 hours)	
One 3 hour course to be chosen from those listed with the International Dimension and 3 hours of humanities electives.				**	MATH 2613 Differential Equations 3 hours
Mathematics Courses					BIOL 1114 General Biology 4 hours
MATH 1513	Algebra for STEM	3 hours			BIOL 2124 Microbiology 4 hours
Science Courses					ENGL 1223 Technical Writing 3 hours
* CHEM 1515	Chemistry for Engineers	5 hours			COMM 1713 Intro to Oral Communication 3 hours
PHYS 2014	Engineering Physics I	4 hours			
or PHYS 1114	General Physics I				
Computer Science Courses					
BADM 1113	Digital/Financial Literacy	3 hours			
or	Other approved computer course				
Orientation Course					
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-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: 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
*ENGR	1111	Intro To Engineering	PHYS	2014	Engineering Physics I (Spring only)
			or		
			PHYS	1114	General Physics I
			PRDV	2321	Professional Development
Total: 16 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 (Fall only)		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.