

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											
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						**	MATH	2613	Differential Equations	3 hours	
MATH	1513	Algebra for STEM	3 hours			BIOL	1114	General Biology	4 hours		
Science Courses							BIOL	2124	Microbiology	4 hours	
*	CHEM	1515	Chemistry for Engineers	5 hours		ENGL	1223	Technical Writing	3 hours		
	PHYS	2014	Engineering Physics I	4 hours		COMM	1713	Intro to Oral Communication	3 hours		
or	PHYS	1114	General Physics I								
Computer Science Courses											
BADM	1113	Digital/Financial Literacy	3 hours								
or	Other approved computer course										
Orientation Course						* CHEM 1515 can be substituted for CHEM 1315 and CHEM 1414 if the classes are not offered on that campus.					
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 1515 can be substituted for CHEM 1315 and CHEM 1414 if the classes are not offered on that campus.

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

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**

<b>Fall Semester</b>			<b>Spring Semester</b>		
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
*ENRG	1111	Intro To Engineering	PHYS	2014	Engineering Physics I
			PRDV	2321	Professional Development
			*These program courses are typically offered only once a year. See course descriptions for fall or spring designations and plan accordingly.		
Total: 16 credit hours			Total 18 credit hours		

**Year Two**

<b>Fall Semester</b>			<b>Spring Semester</b>		
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	*These program courses are typically offered only once a year. See course descriptions for fall or spring designations and plan accordingly.		
Total 14 credit hours			Total 13 credit hours		

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