

This degree is offered on NOC Enid 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					*	PHYS	2014	Engineering Physics I	4 hours
ENGL	1113	English Composition I	3 hours			MATH	1613	Plane Trigonometry	3 hours
ENGL	1213	English Composition II	3 hours		*	MATH	2144	Calculus I	4 hours
History & Government Courses					*	MATH	2154	Calculus II	4 hours
HIST	1483	American History to 1877	3 hours		*	MATH	2164	Calculus III	4 hours
or HIST	1493	American History Since 1877				PRDV	2321	Professional Development	1 hour
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						BIOL	1114	General Biology	4 hours
MATH	1513	Algebra for STEM	3 hours			BIOL	1314	General Botany	4 hours
Science Courses						BIOL	2124	Microbiology	4 hours
CHEM	1315	General Chemistry I	5 hours			BIOL	1214	Environmental Science	4 hours
CHEM	1414	General Chemistry II	4 hours			ENGL	1223	Technical Writing	3 hours
Computer Science Courses					*	MATH	2613	Differential Equations	3 hours
BADM	1113	Digital/Financial Literacy	3 hours		*	PHYS	2114	Engineering Physics II	4 hours
or	Other approved computer course					Programming Language Course(s)			3 hours
Orientation Course									
ORNT	1101	Freshman Orientation	1 hour						
General Education Elective Course			3 hours		*These program courses are typically offered only once a year.				
Select courses from: Language Arts, Natural Sciences, Foreign Languages, Fine Arts, Humanities, Mathematics, Behavioral or Social Sciences					See course descriptions for fall or spring designations and plan accordingly. Some degrees allow General Physics to substitute for Engineering Physics; check with your advisor.				

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.

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.

Career Opportunities: Entry-Level Scientist, Biotechnology, High School Science, Teacher, Meteorologist, Geologist, Laboratory Chemist

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	PHYS	2014	Engineering Physics I (Spring only)
**MATH	1513	Algebra for STEM	CHEM	1414	General Chemistry II
**MATH	1613	Plane Trigonometry	*MATH	2144	Calculus I
CHEM	1315	General Chemistry I			
HIST	1483	American History to 1877	*These program courses are typically offered only once a year. See course descriptions for fall or spring designations and plan accordingly.		
or					
HIST	1493	American History Since 1877			
Total: 18 credit hours			Total 15 credit hours		

Year Two

Fall Semester			Spring Semester		
BADM	1113	Digital/Financial Literacy	POLI	1113	American Government
*MATH	2154	Calculus II		3 hours	Humanities Elective
		Program/Gen Ed. Elective:	*MATH	2164	Calculus III
*MATH	2613	Differential Equations		3 hours	Program/Gen Ed. Elective
or			PRDV	2321	Professional Development
PHYS	2114	Engineering Physics II (Fall only)			
		(Recommended Elective)	*These program courses are typically offered only once a year. See course descriptions for fall or spring designations and plan accordingly.		
	3 hours	Humanities Elective			
Total 13-14 credit hours			Total 14 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 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.