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

Program Requirements 60 Total Credit Hours

General Education Courses			**37 Total Credit Hours**
English Composition Courses			
ENGL	1113	English Composition I	3 hours
ENGL	1213	English Composition II	3 hours
History & Government Courses			
HIST	1483	American History to 1877	3 hours
or HIST	1493	American History Since 1877	
POLI	1113	American Government	3 hours
Humanities Courses			
Elective			6 hours
One 3 hour course to be chosen from those listed with the International Dimension and 3 hours of humanities electives.			
Mathematics Courses			
MATH	1513	Algebra for STEM	3 hours
Science Courses			
CHEM	1315	General Chemistry I	5 hours
One Additional Science with Lab			4 hours
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			

Program Requirement Courses				**22 hours**
	MATH	1613	Plane Trigonometry	3 hours
*	MATH	2144	Calculus I	4 hours
*	MATH	2154	Calculus II	4 hours
*	MATH	2164	Calculus III	4 hours
*	MATH	2613	Differential Equations	3 hours
*	PHYS	2014	Engineering Physics I	4 hours
or	PHYS	1114	General Physics I	

Recommended Program Elective Courses	**1 hour**
(Combine with Gen Ed. hours to choose 4 hours)	
Select course from: Computer science, Physics, Statistics and Engineering.	

*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 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.

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	1314	General Chemistry I	HIST	1493	American History Since 1877
MATH	1513	Algebra for STEM - if ACT score requires it	*MATH	2144	Calculus I
		or Additional Program Elective	PHYS	2014	Engineering Physics I (Spring only)
BADM	1113	Digital/Financial Literacy	or		
			PHYS	1114	General Physics I
Total: 17 credit hours			Total 14 credit hours		

Year Two

Fall Semester			Spring Semester		
POLI	1113	American Government	*MATH	2164	Calculus III (Spring)
*MATH	2154	Calculus II	*MATH	2613	Differential Equations (Spring)
	3 hours	Humanities Elective		3 hours	Humanities Elective
	4 hours	Science Elective		6 hours	Program Electives
Total 14 credit hours			Total 16 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.