

This degree is offered on NOC Enid campuses only.

Program Requirements 60 Total Credit Hours									
General Education Courses				37 Total Credit Hours	Program Requirement Courses			19 hours	
English Composition Courses					ASTR	1014	Survey of Astronomy	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							
POLI	1113	American Government	3 hours						
Humanities Courses									
Elective			6 hours	Recommended Program Elective Courses				4 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 7 hours)				
Mathematics Courses					*	ASTR	2513	Observatory Methods	3 hours
MATH	1513	Algebra for STEM	3 hours	*	PHYS	1114	Physics I	4 hours	
Science Courses					*	PHYS	1214	Physics II	4 hours
ESCI	1214	Earth Science	4 hours	or	ENGR	2114	Engineering Physics II		
CHEM	1315	General Chemistry I	5 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	*These program courses are typically offered only once a year. See course descriptions for fall or spring designations and plan accordingly.					
Select courses from: Language Arts, Natural Sciences, Foreign Languages, Fine Arts, Humanities, Mathematics, Behavioral or Social Sciences									

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	*MATH	2144	Calculus I
**MATH	1513	Algebra for STEM	*ENGR	1114	Engineering Physics I
**MATH	1613	Plane Trigonometry			(Recommended Elective)
CHEM	1315	General Chemistry I	ESCI	1214	Earth Science
			*These program courses are typically offered only once a year. See course descriptions for fall or spring designations and plan accordingly.		
Total: 15 credit hours			Total 15 credit hours		

### Year Two

Fall Semester			Spring Semester		
POLI	1113	American Government	HIST	1483	American History to 1877
BADM	1113	Digital/Financial Literacy	or		
*ENGR	2114	Engineering Physics II	HIST	1493	American History Since 1877
		(Recommended Elective)	*MATH	2164	Calculus III
*MATH	2154	Calculus II		6 hours	Humanities Elective
ASTR	1014	Survey of Astronomy	*These program courses are typically offered only once a year. See course descriptions for fall or spring designations and plan accordingly.		
Total 18 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.