

Mathematics and Physical Science – Mathematics Option

(Note: Program requirements for this degree are offered on NOC Enid and NOC Tonkawa campuses only.)

PROGRAM REQUIREMENTS	Credit Hours
GENERAL EDUCATION	37
ENGLISH COMPOSITION	
ENGL 1113 English Composition I	3
ENGL 1213 English Composition II	3
HISTORY AND GOVERNMENT	
HIST 1483 American History to 1877 (or)	
HIST 1493 Am. History Since 1877	3
POLI 1113 American Government	3
HUMANITIES	
Electives	6
One 3-hour course to be chosen from those listed with International Dimension and 3 hours of humanities electives.	
MATHEMATICS	
MATH 1513 College Algebra*	3
SCIENCE	
One Biological Science with Lab	4
One Physical or Bio Science w/ Lab	4
COMPUTER SCIENCE	
BSAD 1113 Digital/Financial Literacy	3
(or other approved computer course)	
ORIENTATION	
ORNT 1101 Freshman Orientation	1
GENERAL EDUCATION ELECTIVES	4
(3 of 4 hours for these electives are designated for MATH 1613 Plane Trigonometry; 1 hour can be combined with requirement for recommended electives below, or selected from courses in Language Arts, Natural Science, Foreign Languages, Fine Arts, Humanities, Mathematics, Behavioral or Social Sciences.)	
PROGRAM REQUIREMENTS	13
**MATH 2145 Calculus I	5
**MATH 2155 Calculus II	5
**MATH 2613 Differential Equations	3
RECOMMENDED PROGRAM ELECTIVES .	10
Select courses from: Computer Science, Physics and Statistics.	
Other courses may be substituted with approval.	
TOTAL CREDIT HOURS	60

*Students scoring 26 or above on the math subsection of the ACT do not have to take MATH 1513 College Algebra.
 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 and 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.

SUGGESTED COURSE SEQUENCE	Credit Hours
FIRST SEMESTER	16
ENGL 1113 English Composition I	3
BSAD 1113 Digital/Financial Literacy.....	3
ORNT 1101 Freshman Orientation	1
Humanities Electives	3
MATH 1513 College Algebra (Pre-Calculus) 3	
MATH 1613 Plane Trig.	3
SECOND SEMESTER	15
ENGL 1213 English Composition II	3
HIST 1483 American History to 1877 (or)	
HIST 1493 American History Since 1877 ..	3
MATH 2145 Calculus I	5
Science Elective (Biological or Physical)	4
THIRD SEMESTER.....	15
POLI 1113 American Government	3
Science Elective (Biological or Physical)	4
Humanities Elective	3
MATH 2155 Calculus II	5
FOURTH SEMESTER.....	14
MATH 2613 Differential Equations	3
Program Electives	7
General Education Electives	4

This is a suggested sequence timeline only. A student may require more than four semesters to complete this Associate in Science degree.

**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-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.

Career Opportunities
 Math Education
 Mathematician
 Scientist

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 ACT 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 at <http://www.noc.edu/act> for placement guidelines.