

**Mathematics and Physical Science-Astronomy Option**

(Note: Program requirements for this degree are offered on NOC Enid campus 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 .....	
ESCI 1214 Earth Science .....	4
CHEM 1314 Chemistry I.....	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.....	16
**ASTR 1523 Planetary Science .....	3
ASTR 2513 Observatory Methods .....	3
**MATH 2145 Calculus I.....	5
**MATH 2155 Calculus II.....	5
RECOMMENDED ELECTIVES .....	7
ASTR 1014 Survey of Astronomy .....	4
**ASTR 1533 Search for Life in the Univ.....	3
**ASTR 2563 Galaxies and Cosmology .....	3
ESCI 1214 Earth Science .....	4
GEOL 1114 Physical Geology .....	4
**PHSY 1114 Physics I.....	4
TOTAL CREDIT HOURS.....	60

SUGGESTED COURSE SEQUENCE	Credit Hours
FIRST SEMESTER .....	16
ENGL 1113 English Composition I .....	3
ORNT 1101 Freshman Orientation .....	1
MATH 1513 College Algebra .....	3
MATH 1613 Plane Trigonometry.....	3
ASTR 1523 Planetary Science.....	3
Humanities Elective .....	3
SECOND SEMESTER .....	15
ENGL 1213 English Composition II .....	3
MATH 2145 Calculus I .....	5
BSAD 1113 Digital/Financial Literacy.....	3
ESCI 1214 Earth Science .....	4
THIRD SEMESTER .....	15
POLI 1113 American Government .....	3
CHEM 1314 Chemistry I .....	4
ASTR 2513 Observatory Methods.....	3
MATH 2155 Calculus II.....	5
FOURTH SEMESTER .....	14
HIST 1483 American History to 1877 (or)	
HIST 1493 American History Since 1877 ..	3
Humanities Elective .....	3
Gen Ed & Program Electives .....	8

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 suggested curriculum for the Astronomy degree option includes degree requirements and courses that are usually completed in the first two years of a four-year curriculum.

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.