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 | | 1 hour | Program Electives |
| | | | | 4 hours | General Education Elective |
| | | | | | |
| Total 14 credit hours | | | Total 15 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.