## Program Requirements

**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 Amer. History to 1877 3 hours
  - ORNT 1101 Freshman Orientation 1 hour
  - BSAD 1113 Digital/Financial Literacy 3 hours
  - MATH 1613 Plane Trigonometry 3 hours
  - Program/Gen Ed Elective 4 hours

- **Humanities Courses**
  - Electives 6 hours

- **Mathematics Courses**
  - MATH 1493 Algebra for STEM 3 hours

- **Science Courses**
  - CHEM 1315 General Chemistry I 5 hours
  - One Additional Science with Lab 4 hours
  - BSAD 1113 Digital/Financial Literacy 3 hours

- **Computer Science Courses**
  - BSAD 1113 Digital/Financial Literacy (or other approved computer course) 3 hours

- **Orientation Courses**
  - ORNT 1101 Freshman Orientation 1 hour

- **General Education Elective Courses**
  - 3 hours

**Mathematics Courses**

- **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** (or PHYS 1114 General Physics I) 4 hours

**Recommended Program Elective Courses - 4 Total Hours**

Select course from: Computer science, Physics, and Statistics.

**Total Credit Hours** 60 hours

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## Suggested Course Sequence:

### First Semester 17 Total Credit Hours

- ENGL 1113 English Composition I 3 hours
- MATH 1513 Algebra for STEM 3 hours
- ORNT 1101 Freshman Orientation 1 hour
- BSAD 1113 Digital/Financial Literacy 3 hours
- MATH 1613 Plane Trigonometry 3 hours

### Second Semester 15 Total Credit Hours

- ENGL 1213 English Composition II 3 hours
- HIST 1483 Amer. History to 1877 (or) HIST 1493 Amer. History Since 1877 3 hours
- MATH 2144 Calculus I 4 hours
- CHEM 1315 General Chemistry I 5 hours

### Third Semester 14 Total Credit Hours

- POLI 1113 American Government 3 hours
- PHYS 2014 Engineering Physics (or) PHYS 1114 General Physics I 4 hours
- Humanities Elective 3 hours
- MATH 2154 Calculus II 4 hours

### Fourth Semester 14 Total Credit Hours

- MATH 2164 Calculus III 4 hours
- MATH 2613 Differential Equations 3 hours
- Science Elective 4 hours
- Humanities Elective 3 hours

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

*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.

**These program courses are typically offered only once a year. See course descriptions for fall or spring designations and plan accordingly.**