



Associate in Science in Engineering/Physics

Curriculum Code: 1619

Effective Fall 2012 -Summer 2017

Associate in Science in Engineering/Physics

This degree is designed for students who intend to transfer to a four-year college or university to pursue a baccalaureate degree in this subject area. Students completing this curriculum will also satisfy the MACRAO Transfer Agreement between two-year and four-year institutions in Michigan. General education and subject area requirements vary from one college or university to another.

I. General Education:

33 credits

Complete General Education Requirements for the Associate of Science Degree

English Composition Minimum of 8 credits

Humanities Minimum of 8 credits

Mathematics Minimum of 4 credits **Choose MATH 151 or MATH 161**

Science Minimum of 4 credits **Choose PHYS 251** for a total of 5 credits

Social Science Minimum of 8 credits

II. Required Courses within the Major:

19 – 20 credits

Complete each of the following courses:

Course Code	Title	Credits
MATH 253	Calculus III	4
PHYS 252	Physics II: Electrom/Wave/Optic	5
Choose one of the following (4 credits):		
MATH 152	Calculus II	4
MATH 162	Honors Calculus II	4
Choose one of the following (3 credits):		
MATH 254	Intro to Differential Equations	3
MATH 260	Linear Algebra	3
Choose one of the following (3 - 4 credits):		
CHEM 151	General Chemistry Lecture I	4
CPSC 131	Numerical Methods and MATLAB	3
CPSC 227	Algorithms and Computing with Python	4
CPSC 230	Algorithms and Computing w/ C++	4

III. Electives:

Complete a minimum of 7 - 8 credits from the List of Elective Courses

7 – 8 credits

Total: 60 credits