



## Associate in Science in Mathematics

Curriculum Code: 1620

Effective Fall 2012 -Summer 2017

### Associate in Science in Mathematics

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:

**32 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

**Social Science** Minimum of 8 credits

#### II. Required Courses within the Major:

**14 – 16 credits**

Complete each of the following courses:

Course Code	Title	Credits
MATH 253	Calculus III	4
Choose one of the following (4 credits):		
MATH 152	Calculus II	4
MATH 162	Honors Calculus II	4
Choose one of the following (3 – 4 credits):		
CPSC 260	Computer Science Structures	4
MATH 254	Intro to Differential Equation	3
MATH 260	Linear Algebra	3
Choose one of the following (3 – 4 credits):		
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 12 - 14 credits from the List of Elective Courses

**12 – 14 credits**

**Total: 60 credits**