



Mathematics A.S.

Curriculum Code: 1620

Effective: Fall 2019 – Summer 2024

Description

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 Michigan Transfer Agreement (MTA) between two-year and four-year institutions in Michigan and qualify for an LCC Transfer Studies Certificate of Achievement (1482).

Additional Information

A student must earn a minimum grade of 2.0 in all courses.

Contact Information

Contact the Mathematics and Computer Science Department, Arts and Sciences Building, Room 3203, telephone number 517-483-1073, or the Academic Advising Department, Gannon Building – Star Zone, telephone number 517-483-1904.

General Education MTA Courses, Recommended Choices

(For the full list of options, see [Michigan Transfer Agreement](#))

- English Composition – *Select one*
ENGL 121, Composition I, 4 credits / 4 billing hours
ENGL 131, Honors Composition I, 4 credits / 4 billing hours
- English Composition (second course) or Communication – *Select one*
ENGL 122, Composition II, 4 credits / 4 billing hours
ENGL 132, Honors Composition II, 4 credits / 4 billing hours
- Humanities and Fine Arts – *Select one from a discipline other than PHIL*
HIST 211, U.S. History to 1877, 4 credits / 4 billing hours
HIST 212, U.S. History: 1877 to Present, 4 credits / 4 billing hours
MUSC 240, Musical Cultures to 1750, 4 credits / 4 billing hours
MUSC 241, Musical Cultures 1750-Present, 4 credits / 4 billing hours
- Mathematics
Program of Study Required Courses fulfills this requirement
- Natural Sciences – *Select one from a discipline other than PHYS*
ASTR 201, Introductory Astronomy, 4 credits / 5 billing hours
BIOL 120, Environmental Science, 4 credits / 6 billing hours
CHEM 151, General Chemistry Lecture I, 4 credits / 4 billing hours
PFHW 123, Human Nutrition, 3 credits / 3 billing hours

- Social Science – *Select two, each from a different discipline*
 COMM 280, Intercultural Communication, 3 credits / 3 billing hours
 ECON 120, Power, Authority and Exchange, 4 credits / 4 billing hours
 GEOG 200, World Regional Geography, 4 credits / 4 billing hours
 POLS 260, Comparative Political Systems, 3 credits / 3 billing hours
 PSYC 200, Introduction to Psychology, 4 credits / 4 billing hours
 SOCL 120, Introduction to Sociology, 4 credits / 4 billing hours

Program of Study Required Courses

Course Code	Course Title	Credit / Billing Hours
CPSC 230	Algorithms and Computing w/ C++	4 / 4
CPSC 260	Computer Science Structures	4 / 4
MATH 151	Calculus I	4 / 4
MATH 152	Calculus II	4 / 4
MATH 253	Calculus III	4 / 4
MATH 254	Intro to Differential Equation	4 / 4
MATH 260	Linear Algebra	4 / 4
PHIL 151	Intro to Logic & Critical Thinking	4 / 4
PHYS 251	Physics I with Calculus	5 / 7

Elective Courses, Recommended Choices – *Select courses to reach the minimum 60 total credits required for this degree.* (For the full list of options, see [AA and AS Degree Electives](#))

Course Code	Course Title	Credit / Billing Hours
CPSC 231	Computing and Data Structures	4 / 4
PHYS 252	Physics II with Calculus	5 / 7
STAT 215	Intro to Probability and Stats	4 / 4

Total Credit Hours

62-66 credits / 64-72 billing hours

Recommended Course Sequence

Semester I	Semester II
MTA English Composition MTA Natural Science MATH 151 PHIL 151	MTA English Comp (2nd course) or Communication MTA Social Science CPSC 230 MATH 152

Semester III	Semester IV
MTA Humanities and Fine Arts CPSC 260 MATH 253 PHYS 251	MTA Social Science MATH 254 MATH 260 Elective