

Degree in Mathematics Transfer

Program Details

Massachusetts has a rapidly growing innovation economy that offers a variety of well-paying jobs to individuals with strong quantitative and logic skills. Massasoit's Associate in Science in Mathematics degree can put you on a path to a bachelor's degree in mathematics so that you can take advantage of career options in this fast-growing sector. Students who study Mathematics at Massasoit will work their way up to Calculus III, Linear Algebra, and Differential Equations.

An associate degree in Mathematics can be started at any of Massasoit's three locations and completed at the centrally located Brockton campus. Online, evening, and summer options are available for some courses in the program, allowing flexibility to fit your schedule. Completing your first two years of a bachelor's degree at Massasoit before transferring can save you up to 50 percent on tuition and fees. Courses you take at Massasoit will transfer to state universities and many private colleges with our state-wide transfer agreements.

The Mathematics Transfer program falls under the STEM Pathway. STEM at Massasoit provides advising, workshops, and the ability to engage in graduate-level research after one semester of classes.

Massasoit's Math Team annually competes in a national contest sponsored by the American Mathematical Association of Two-Year Colleges. Any Massasoit student, full or part time, who has not earned a two-year college or higher degree is eligible to participate.

Graduates earn an Associate in Science Degree.

Program Outcomes

Students graduating from Massasoit's Mathematics Transfer Program should be able to:

- Understand and communicate mathematical ideas effectively, both written and verbally, using correct mathematical language and notation.
- Build a strong foundation in mathematical theory and technical proficiency across calculus, linear algebra and systems, and differential equations.
- Be exposed to the basics of mathematical proof, and explore skills needed to prove mathematical results.
- Interpret mathematical results algebraically, graphically, and numerically, and utilize technology to explore mathematical ideas and solve problems.
- Apply mathematical principles to a wide variety of concrete and abstract problems and realworld disciplines and contexts, and develop critical thinking skills required to solve complex mathematical problems.
- Transfer to a four-year institution prepared for success in a higher-level mathematics program or other related highly quantitative subject.

Academic Map

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A minimum of 18 classes and 61 credits is required. At least 16 credits of your program must be taken at Massasoit. Note: Each course completed and passed can only fulfill one program requirement. The same course cannot be used to satisfy multiple program requirements.

Semester 1

4 Credits in MATH 221
Calculus I
4 Credits in PHYS 161
General Physics I
3 Credits in ENGL 101
English Composition I
3 Credits in Social Science elective

Semester 2

4 Credits in MATH 222
Calculus II
4 Credits in PHYS 162
General Physics II

3 Credits in ENGL 102
 English Composition II
 3 Credits in Social Science elective

Semester 3

4 Credits in MATH 223
 Calculus III
 4 Credits in MATH 229
 Linear Algebra
 3 Credits in Humanities elective
 3 Credits in General elective
 3 Credits in General elective

Semester 4

4 Credits in MATH 230
 Differential Equations
 3 Credits in Humanities elective
 3 Credits in General elective
 3 Credits in General elective
 3 Credits in General elective

This academic map is a suggested semester-by-semester guide to keep you on a clear path to program completion. Please note that some classes are offered only in certain semesters, have prerequisites, or minimum passing grades. Winter and/or Summer Session classes may be available for some classes. Your [academic advisor](#) will provide you with clear direction needed to stay on course and discuss scheduling options with you. Taking courses not reflected on this map may result in courses not counting toward the completion of your requirements.

Advisory Committee

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