

Degree in Chemistry Transfer

Program Details

The Chemistry Transfer program is designed to prepare students for transfer to a four-year institution to pursue a bachelor's degree in the chemical sciences or related field.

Graduates earn an Associate in Science Degree.

Program Outcomes

Upon graduating with an Associate of Science Degree in Chemistry students will be prepared to transfer as juniors into Chemistry Bachelor of Science degree programs, including those accessed through the [MassTransfer Program](#), by satisfactory achievement of the following outcomes.

1. Apply chemical concepts to solve qualitative and quantitative problems using critical thinking skills
2. Perform, analyze, evaluate, and interpret chemical experiments with an emphasis on quantitative assessments
3. Communicate chemical, physical, and/or mathematical concepts in written and oral form
4. Explain scientific principles from chemistry and the natural world
5. Collaborate in diverse teams in the laboratory

Academic Map

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A minimum of 17 classes and 62 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 CHEM 151
General Chemistry I
3 Credits in College Algebra or General elective
3 Credits in ENGL 101
English Composition I
3 Credits in PSYC 101
General Psychology

Semester 2

4 Credits in CHEM 152
General Chemistry II
4 Credits in Precalculus or Higher general elective
3 Credits in ENGL 102
English Composition II
3 Credits in Social Science elective
3 Credits in in General elective.

Semester 3

5 Credits in CHEM 201
Organic Chemistry I
4 Credits in MATH 221 Calculus I or General elective
4 Credits in PHYS 161
General Physics I
3 Credits in Humanities elective or General elective

Semester 4

5 Credits in CHEM 202
Organic Chemistry II
4 Credits in MATH 222 or higher
Calculus II or higher

4 Credits in PHYS 162
 2 General Physics II
 3 Credits in Humanities elective or 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

This committee brings together a dynamic group of professionals, educators, alumni, and industry leaders dedicated to guiding the future of STEM education. With a strong commitment to innovation, collaboration, and academic excellence, the committee offers strategic insight that ensures STEM programs reflect the evolving needs of local and global communities. By advising on curriculum development, emerging technologies, and workforce trends, the committee helps equip students with the interdisciplinary skills and knowledge essential for tackling real-world challenges and advancing careers in science and technology.

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