

Degree in Biology Transfer

Program Details

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

Graduates earn an Associate in Science Degree

Program Outcomes

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

- Synthesize core knowledge from first-year and sophomore college mathematics and natural science courses, as well as other [Core Curriculum](#) courses in order to:
- comprehend descriptions and diagrams of complex biological processes,
- link form and function to evolution,
- objectively observe and accurately describe natural phenomena, and
- ask and begin to answer meaningful questions at any level of biology.
- Think and perform like a beginning scientist by:
- critically analyzing and evaluating published scientific information,
- applying the scientific method as a tool for discovery,
- becoming proficient in essential laboratory skills,
- applying quantitative reasoning to present and interpret summarized data,
- effectively communicating ideas and arguments orally and in writing, and by
- synthesizing information from a variety of sources to reach logical conclusions.
- Continue developing as a functional independent student and informed citizen who can:
- effectively collaborate in a team,
- think critically and creatively to solve problems,
- recognize the advantages of diverse opinions, approaches, perspectives, and backgrounds to advancing scientific knowledge,
- self-assess learning and academic progress and adjust when needed, and
- translate excitement and curiosity for biological topics into fulfilling self-motivated learning

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 BIOL 121
Biological Principles I
4 Credits in CHEM 151
General Chemistry I
3 Credits in MATH 203
College Algebra
3 Credits in ENGL 101
English Composition I
3 Credits in Liberal Arts elective

Semester 2

4 Credits in BIOL 122
Biological Principles II
4 Credits in CHEM 152
General Chemistry II
4 Credits in MATH 217
Precalculus
3 Credits in ENGL 102

Semester 3

Calculus I or higher
 5 Credits in CHEM 201
 Organic Chemistry I
 4 Credits in MATH 221
 Calculus I or higher
 3 Credits in PSYC 101
 General Psychology
 3 Credits in Humanities elective or General elective

Semester 4

5 Credits in CHEM 202
 Organic Chemistry II
 3 Credits in Biology Transfer Program elective
 3 Credits in SOCI 104
 Principles of Sociology
 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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