

Degree in Computer Science Transfer

Program Details

The Computer Science Transfer program prepares students to continue their studies for a baccalaureate degree in Computer Science.

Graduates earn an Associate of Science Degree.

Program Outcomes

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

- Every program graduate will have the skills and knowledge necessary to transfer to a four-year institution to complete a bachelor's degree in Computer Science or Data Science.
- Every program graduate will be able to think critically and analytically, and be able to communicate, and interact using social and interpersonal skills.
- Every program graduate will be able to demonstrate critical knowledge of hardware and software and the relationship between them.
- Every program graduate will be able to develop programs in high- and low-level programming languages, including Java, Python, and Assembly, and to design and implement an appropriate and secure algorithmic solution to a problem using programming languages.

Academic Map

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A minimum of 63 Credits is required. At least 17 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

3 Credits in COSC 101
Fundamentals of Computer Science
4 Credits in COSC 157
Introduction to Java Programming
4 Credits in Math elective - Precalculus or higher
3 Credits in ENGL 101
English Composition I
3 Credits in History elective

Semester 2

4 Credits in COSC 168
Advanced Java Programming
4 Credits in MATH 221
Calculus I
3 Credits in MATH 218
Discrete Mathematics
3 Credits in ENGL 102
English Composition II
3 Credits in History elective

Semester 3

3 Credits in COSC 236
Computer Architecture
4 Credits in MATH 222
Calculus II
3 Credits in PSYC 101
General Psychology
4 Credits in Lab Science elective

Semester 4

3 Credits in COSC 237

Data Structures and Algorithms

3 to 4 Credits in Computer Science or Math elective

3 to 4 Credits in Computer Science or Math elective

3 to 4 Credits in Computer Science or Math elective

4 Credits in Lab Science 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 is composed of dedicated professionals from academia, industry, and the broader tech community who collaborate to ensure our program remains aligned with the evolving demands of the computer science field. By providing guidance on curriculum development, emerging technologies, and workforce trends, the committee plays a key role in preparing students for successful transfer to four-year institutions and future careers in software development, data science, cybersecurity, and beyond. Together, we are committed to fostering academic excellence, innovation, and student success.

- **Jamison Abbott**
Principal Software Engineer
Soft Robotics, inc
- **Nicholas M. Getchell**
Senior DevOps Engineer
The Predictive Index
- **Jennifer Pollard**
Associate Provost / Executive Director, Career Education and Experiential Learning
Wellesley College
- **Michael Reilly**
Paraprofessional Educator
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