



## Computer Science Transfer

## Associate in Science

This academic map is a suggested semester-by-semester guide to keep you on a clear pathway to program completion. 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.

| Semester 1 |                                 | Credits                    |
|------------|---------------------------------|----------------------------|
| ENGL 101   | English Composition I           | 3 <input type="checkbox"/> |
| CTIM 281   | Software Design and Development | 3 <input type="checkbox"/> |
| CTIM 157   | Introduction to Java            | 3 <input type="checkbox"/> |
| HIST - - - | History Elective                | 3 <input type="checkbox"/> |
| MATH 203   | College Algebra                 | 3 <input type="checkbox"/> |

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| Semester 2 |                        | Credits                    |
|------------|------------------------|----------------------------|
| ENGL 102   | English Composition II | 3 <input type="checkbox"/> |
| PSYC 101   | General Psychology     | 3 <input type="checkbox"/> |
| HIST - - - | History Elective       | 3 <input type="checkbox"/> |
| MATH 217   | Precalculus            | 4 <input type="checkbox"/> |
| CTIM 168   | Advanced Java          | 3 <input type="checkbox"/> |

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| Semester 3 |  | Credits                    |
|------------|--|----------------------------|
| PHYS 161   | General Physics I                            | 4 <input type="checkbox"/> |
| MATH 221   | Calculus I                                   | 4 <input type="checkbox"/> |
|            | CTIM, Humanities, or Social Science Elective | 3 <input type="checkbox"/> |
| ENGL - - - | Literature Sequence Elective                 | 3 <input type="checkbox"/> |
| CTIM 236   | Computer Architecture                        | 3 <input type="checkbox"/> |

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| Semester 4 |                                | Credits                    |
|------------|--------------------------------|----------------------------|
| PHYS 162   | General Physics II             | 4 <input type="checkbox"/> |
| CTIM 237   | Data Structures and Algorithms | 3 <input type="checkbox"/> |
| MATH 222   | Calculus II                    | 4 <input type="checkbox"/> |
| ENGL - - - | Literature Sequence Elective   | 3 <input type="checkbox"/> |
| MATH 218   | Discrete Math                  | 3 <input type="checkbox"/> |

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CONGRATULATIONS  
**You've Arrived!**

### About Developmental Courses

Developmental courses do not satisfy graduation requirements, but they are required for those who place into them and will appear on the student's transcript. Placement into one of the following courses indicates that a student needs additional preparation before enrolling in college-level courses:

|              |                                 |          |                                  |
|--------------|---------------------------------|----------|----------------------------------|
| ENGL 091     | Preparing for College Reading I | ENGL 092 | Preparing for College Reading II |
| ENGL 095     | Reading and Writing Seminar     | ENGL 099 | Introductory Writing             |
| MATH 001-003 | Prep College Math I-III         | MATH 010 | Fundamentals of Mathematics      |
| MATH 060     | Math Literacy                   | MATH 011 | Introductory Algebra             |
| MATH 012     | Intermediate Algebra            |          |                                  |

### Milestones

Students can earn a certification in Java programming upon completion of CTIM 157 Intro to Java, CTIM 168 Advanced Java, and CTIM 281 Software Design & Development.

## Route to Success

Summer and/or Winter Session classes may be available for your program to help you finish on time. See your advisor and/or visit the online course search for availability.

### Ready to Go

Courses have no prerequisites or developmental courses.



### Semester-specific Course Offerings

Courses are not offered all semesters.

### Minimum Grade Requirement

Students must earn a minimum grade to remain in the program.



### Electives

For details on eligible electives, please see reverse.

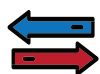


Taking **15 credits/semester** or **30 credits/year** will help you stay on track to finish your degree in two years.

## Program Notes

The completion of the Computer Science Transfer degree is aligned to enable students to enter into a 4-year college or university as juniors so they are able to complete their program of study in two years.

Upon successful completion of CTIM 281, CTIM 157 & CTIM 168 you are eligible to apply for the Java Programming Certificate.



**History Electives:** HIST 101 History of Western Civilization I, HIST 102 History of Western Civilization II, HIST 103 US History I, HIST 104 US History II, HIST 108 World History I, HIST 109 World History II, or HIST 131 The United States since 1945

**Literature Electives:** ENGL 201 English Lit I, ENGL 202 English Lit II, ENGL 205 Irish American Lit I, ENGL 206 Irish American Lit II, ENGL 211 World Lit I, ENGL 212 World Lit II, ENGL 213 American Lit I, ENGL 214 American Lit II, ENGL 215 African-American Lit I, or ENGL 216 African-American Lit II

**Modern Language:** Must be two consecutive semesters of the same language.

**Other Electives:** Students choosing a humanities, lab science, or modern language elective can select from the Course Elective Guide at [massasoit.edu/electives](http://massasoit.edu/electives).

This program is intended for students who wish to continue their education to pursue a bachelor's degree at a four-year college or university. Students enrolled in this program may consider transfer options through MassTransfer with Massachusetts state colleges and universities or other transfer opportunities at private institutions.

For more information about transfer opportunities, program pathways, course equivalencies, and upcoming transfer events, please visit [massasoit/transfer](http://massasoit.edu/transfer).

Some courses may have prerequisites, which are courses that **must** be taken prior to a particular course. For details, log into DegreeWorks through your MyMassasoit portal.

**A minimum of 65 credits and 20 courses is required for completion. The same course may not be used to satisfy two different course requirements.**

## After Graduation/Completion

Check in with Career Services, and attend College/Job Fairs for future job placement.

Upon successful completion of this degree, you will be able to construct programs in the Java programming language. You will be able to build on the constructs of sequence, selection, and repetition to develop programs using objects, methods, data abstraction, inheritance, and polymorphism. You will be prepared to transfer to a 4-year computer science degree program.

Consider joining and/or visiting sites of professional organization such as:  
 Association for Computing Machinery: [www.acm.org](http://www.acm.org)  
 Association for Women in Computing: [www.awc-hq.org](http://www.awc-hq.org)  
 Consortium for Computing Sciences in Colleges Northeast: [www.ccsne.org](http://www.ccsne.org)  
 Visit [www.careergps.mass.edu](http://www.careergps.mass.edu) for more information about employment opportunities in your field of study.

## Resources for Academic Success at Massasoit

All College phone numbers are 508-588-9100 + extension.

### Registrar's Office

[massasoit.edu/registrar](http://massasoit.edu/registrar)  
[registrar@massasoit.mass.edu](mailto:registrar@massasoit.mass.edu)

|               |                   |       |
|---------------|-------------------|-------|
| Brockton      | A240, Upper Level | x1949 |
| Canton        | Enrollment Center | x2677 |
| Middleborough | Main Office       | x4002 |

### Testing & Assessment

[massasoit.edu/testing](http://massasoit.edu/testing)  
 x1991

### Financial Aid

[massasoit.edu/finaid](http://massasoit.edu/finaid)  
[fao@massasoit.mass.edu](mailto:fao@massasoit.mass.edu)

|          |                    |       |
|----------|--------------------|-------|
| Brockton | A131A, Lower Level | x1479 |
| Canton   | Enrollment Center  | x2008 |

### Advisement & Counseling Center

[massasoit.edu/advisement-counseling](http://massasoit.edu/advisement-counseling)  
[advisementcounseling@massasoit.edu](mailto:advisementcounseling@massasoit.edu)

|               |                             |       |
|---------------|-----------------------------|-------|
| Brockton      | Student Center, Lower Level | x1461 |
| Canton        | First Floor, C120           | x2677 |
| Middleborough | Main Office                 | x4002 |

### Academic Resource Center

[massasoit.edu/arc](http://massasoit.edu/arc)

|               |                             |       |
|---------------|-----------------------------|-------|
| Brockton      | Student Center, Lower Level | x1801 |
| Canton        | First Floor, C126           | x2516 |
| Middleborough | Main Office                 | x4002 |

### Division Dean

Donna Wright  
[dwright10@massasoit.mass.edu](mailto:dwright10@massasoit.mass.edu)  
 x1677

## Resources for Future Planning

**Transfer Services**  
[massasoit.edu/transfer](http://massasoit.edu/transfer)  
 x1461

**Career Services**  
[massasoit.edu/careerservices](http://massasoit.edu/careerservices)  
 x1406

**BROCKTON**  
 1 Massasoit Boulevard  
 Brockton, MA 02302

**CANTON**  
 900 Randolph Street  
 Canton, MA 02021

**MIDDLEBOROUGH**  
 49 Union Street  
 Middleborough, MA 02346

**508-588-9100**  
**massasoit.edu**