MASSASOIT
COMMUNITY COLLEGE

Computer Science Transfer

Associate in Science

Semester 1

Semester			Credits
COSC 101	Fundamentals of Computer Science	🚗	3 ☐
COSC 157	Introduction to Java Programming		4 ☐
ENGL 101	English Composition I		3 ☐
MATH 217	Precalculus or higher		4 ☐
HIST - - -	History Elective		3 ☐

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Semester 2

Semester		Credits
COSC 168	Advanced Java Programming	3 ☐
ENGL 102	English Composition II	3 ☐
MATH 218	Discrete Math	3 ☐
MATH 221	Calculus I	3 ☐
HIST - - -	History Elective	4 ☐

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Semester 3

Semester		Credits
COSC 236	Computer Architecture	3 ☐
MATH 222	Calculus II	4 ☐
LS	Lab Science I Elective	4 ☐
PSYC - - -	General Psychology	3 ☐

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Semester 4

Semester		Credits
COSC 237	Data Structures and Algorithms	3 ☐
COSC/MATH	Elective	3 ☐
COSC/MATH	Elective	3 ☐
LS	Lab Science II Elective	4 ☐
COSC/MATH	Elective	3 ☐

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CONGRATULATIONS
You've Arrived!

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

Milestones

You should complete COSC 168 Advanced Java Programming and MATH 217 Precalculus or higher by the end of your second semester.

KEY

Keep an eye out for these symbols, which give important information about certain courses.

🚗	These courses have no prerequisites or developmental courses required.
🔍	These courses are only offered in certain semesters.
🧭	Students must earn a minimum grade in these courses to remain in the program.
⬅	Eligible electives for this program are listed on the reverse. Watch for this symbol.

HELPFUL HINTS

☀❄	Summer and/or Winter Session classes may be available for your program to help you finish on time. See your advisor or visit the online course search for availability.
🏁	Taking 15 credits/semester or 30 credits/year will help you stay on track to finish your degree in two years.

Program Notes

This program is designed to prepare you for transfer to a four-year institution to pursue a bachelor's degree in computer science or a related field. Students wishing to use the MassTransfer STEM block should select humanities electives and not general electives.

It is strongly recommended that you consider joining the STEM Scholars program, which is a cohort program that provides support, coaching and opportunities to explore career choices and develop skills for successfully transferring to a four-year institution. Contact extension 1508 or stemstarter@massasoit.edu.

Upon successful completion of COSC 157 Intro to Java Programming, COSC 168 Advanced Java Programming, and COSC 281 Intro to Software Design and Development, 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

Lab Science Electives: Choose one natural science sequence: BIOL 121 & 122 Biological Principles I & II, CHEM 151 & 152 General Chemistry I & II, or PHYS 161 & 162 General Physics I & II

Literature Electives: ENGL 201 English Lit I or higher, excluding ENGL 251

Other Electives: Students choosing a humanities or social science elective can select from the Course Elective Guide at **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.

*Transfer Note: The **transfer maps** are only recommended for getting into some programs at particular colleges with specific grades. If you are interested in transferring, we recommend you sign up for a Transfer Information Session on our Transfer Services website: **massasoit.edu/transfer.**

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

A minimum of 63 credits and 19 courses is required for completion. The same course may not be used to satisfy two different course requirements.

After Graduation/Completion

Upon successful completion of this degree you will be prepared to transfer to a four-year institution to pursue a bachelor's degree in computer science or a related field.

Resources for Academic Success

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

Student Central
Admissions, financial aid, registration & payments

massasoit.edu/studentcentral
studentcentral@massasoit.mass.edu

Brockton | Student Center, Upper Level
Canton | First Floor, C121

Admissions: x1411   Financial Aid: x1479
Registrar: x1949   Student Accounts: x1507

Testing & Assessment

massasoit.edu/testing

Brockton | Student Center, Lower Level | x1991

Advising, Career & Transfer Center

massasoit.edu/act-center
act@massasoit.edu

Brockton | Student Center, Lower Level | x1461
Canton | First Floor, C126 | x2516

Academic Resource Center
Tutoring & academic support services

massasoit.edu/arc

Brockton | Student Center, Lower Level | x1801
Canton | First Floor, C126 | x2516

Access & Disability Resources

massasoit.edu/adr | x1807

Division Dean

Katie Ruggieri, Ph.D. | sciencemath@massasoit.edu | x1508

Brockton
1 Massasoit Boulevard
Brockton, MA 02302

Canton
900 Randolph Street
Canton, MA 02021

Middleborough
49 Union Street
Middleborough, MA 02346

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