



## Computer Science Transfer A2B MassTransfer

### Program Goals Statement

The Computer Science Transfer option prepares students to finish their education in Computer Science at a four-year institution. The CIS faculty worked closely with the Computer Science faculty at the University of Massachusetts Dartmouth, and the resulting program provides a seamless transition to Computer Science at UMass Dartmouth. The program also parallels the computer science offerings at other local colleges and universities.

### Program information

- The first two years of a degree in Computer Science can be done within this option at Bristol.
- Transfer credit for any Computer Information Systems (CIS or CIT) course must be approved by the CI Department Chair or by a full-time CI faculty member.

Note: Students may be required to obtain and use specific hardware, operating systems, or applications.

### Recommendations

- Students should talk with the Transfer office for information about colleges.

### After Bristol

- Recent graduates have transferred to Bridgewater State College, Rhode Island College, Roger Williams University, Bryant University, University of Massachusetts Amherst and University of Massachusetts Dartmouth.
- Bristol participates in the statewide MassTransfer program and has developed many program-to-program transfer articulation agreements which guarantee admission and credit transfer. For a complete listing of eligible MassTransfer programs and current Bristol articulation agreements, visit the Transfer Affairs website at [www.BristolCC.edu/transfer](http://www.BristolCC.edu/transfer)

### Infused General Education Competencies

Oral Communication, Technical Literacy, First Year Experience

**Subject:** Computer Information Systems

**Type:** Associate Degree



## Campus

**Campus:**

Fall River  
Item #  
Title  
Credits

## Choose one of the following

Item #	Title	Credits
BIO 121	Fundamentals of Biological Science I	4
CHM 113	Fundamentals of Chemistry I	4
PHY 211	General Physics I	4

## General Courses

Item #	Title	Credits
ECN 112	Principles of Economics-Micro	3
ENG 101	Composition I: College Writing	3
ENG 102	Composition II: Writing about Literature	3
ENG 215	Technical Writing	3
MTH 214	Calculus I	4
MTH 215	Calculus II	4
MTH 243	Discrete Structures I	3
MTH 244	Discrete Structures II	3

## Choose one of the following

Item #	Title	Credits
BIO 122	Fundamentals of Biological Science II	4
CHM 114	Fundamentals of Chemistry II	4
PHY 212	General Physics II	4

## Choose one two-course sequence

Item #	Title	Credits
	HST 111 or HST 113	3
	HST 112 or HST 114	3



## Elective Courses

Choose courses from Transfer Electives and Elective Recommendations

Item #	Title	Credits
	Ethical Dimensions Elective	0-3
	Global Awareness Elective	3
	Humanities Elective	3
	Multicultural Perspective Elective	3

## Program Courses

Item #	Title	Credits
CIS 123	Object-Oriented Concepts	3
CIS 157	Object-Oriented JAVA Programming I	4
CIS 158	Introduction to Procedural Programming	4
CIS 257	Object-Oriented JAVA Programming II	4
CIS 260	Software Specification and Design	4
CIS 261	Introduction to Computer Systems	4
CIS 262	Computer Organization and Design	4

## MassTransfer A2B Courses

The Computer Information Systems Transfer/Computer Science Transfer Program is a MassTransfer A2B Mapped Program with some Massachusetts State Universities. To determine available transfer institutions, and to ensure all credits will be transferred and applied to your degree, complete an A2B Program Search at [www.mass.edu/masstransfer](http://www.mass.edu/masstransfer). The Computer Information Systems Transfer/Computer Science Transfer Program contains all courses required to complete the Computer Science A2B Program.

For Computer Science Transfer A2B MassTransfer, the pathway courses can include: MTH 214, MTH 215, PHY 211, PHY 212, CIS 123, 157, 158, 257, 260, 261, 262, and MTH 244 for Bridgewater State University or MTH 243 for UMass Dartmouth

## Recommended Course Sequence - Semester 1

Item #	Title	Credits
CIS 123	Object-Oriented Concepts	3
CIS 157	Object-Oriented JAVA Programming I	4
ENG 101	Composition I: College Writing	3
MTH 214	Calculus I	4
HST 111	The West and the World I	3
HST 113	United States History to 1877	3



## Recommended Course Sequence - Semester 2

Item #	Title	Credits
CIS 257	Object-Oriented JAVA Programming II	4
ECN 112	Principles of Economics-Micro	3
ENG 102	Composition II: Writing about Literature	3
MTH 215	Calculus II	4
	HST 112 or HST 114	3

## Recommended Course Sequence - Semester 3

Item #	Title	Credits
CIS 158	Introduction to Procedural Programming	4
CIS 261	Introduction to Computer Systems	4
ENG 215	Technical Writing	3
MTH 243	Discrete Structures I	3
BIO 121	Fundamentals of Biological Science I	4
CHM 113	Fundamentals of Chemistry I	4
PHY 211	General Physics I	4

## Recommended Course Sequence - Semester 4

Item #	Title	Credits
CIS 260	Software Specification and Design	4
CIS 262	Computer Organization and Design	4
MTH 244	Discrete Structures II	3
CHM 114	Fundamentals of Chemistry II	4
PHY 212	General Physics II	4
	<b>Total credits:</b>	<b>70</b>