Computer Science Transfer

Program: Computer Information Systems
Program Code:
CI_CIX
Academic Area:
Science, Technology, Engineering and Mathematics
Type:
Associate in Science
CIP Code:
11.0701

Program 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.
- Students who have earned credit at other institutions may be able to obtain transfer credit. Transfer credit approval for any Computer Information Systems (CIS or CIT) course must be approved by the Department Chair or by a full-time faculty member in the department.
- Students may be required to obtain and use specific hardware, operating systems, or applications.

After Bristol

- Recent graduates have transferred to Bridgewater State University, 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, current Bristol articulation agreements, and to complete an A2B Program Search, visit the Transfer Services website to review which credits will be transferred and applied to your degree.

Degree Requirements

General Courses

Course #	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
	BIO 121, CHM 113 or PHY 211	4
	BIO 122, CHM 114 or PHY 212	4
	Two-course History Sequence	6

Elective Courses

Course #	Title	Credits
	CIS Ethical Dimensions Elective	0-3
	CIS Global and Historic Awareness Elective	0-3
	Human Expression Elective	3
	CIS Multicultural and Social Perspectives Elective	0-3

Program Courses

Course #	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

Recommended Course Sequence - Semester 1

Course #	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 or HST 113	3

Recommended Course Sequence - Semester 2

Course #	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

Course #	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, CHM 113 or PHY 211	4

Recommended Course Sequence - Semester 4

Course #	Title	Credits
CIS 260	Software Specification and Design	4
CIS 262	Computer Organization and Design	4
	Human Expression Elective	3
MTH 244	Discrete Structures II	3
	BIO 122, CHM 114 or PHY 212	4
Total credits:		**70-79**

Category Descriptions

BIO 121, CHM 113 or PHY 211

Credits: 4

Choose one of the following:

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

BIO 122, CHM 114 or PHY 212

Credits: 4

Choose one of the following

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

Two-course History Sequence

Credits: 6

Choose one two-course history sequence.

Course #	Title	Credits
	HST 111 and HST 112	6
	HST 113 and HST 114	6

CIS Ethical Dimensions Elective

Credits: 0-3

Choose an Ethical Dimensions elective.

CIS Global and Historic Awareness Elective

Credits: 0-3

Choose a Global and Historic Awareness elective.

Human Expression Elective

Credits: 3

Choose one Human Expression elective.

CIS Multicultural and Social Perspectives Elective

Credits: 0-3

Choose a Multicultural and Social Perspectives elective.