



Business Information Systems Career

Program Goals Statement

Students will be prepared to work in the Information Technology field in a wide variety of support roles.

Students develop basic skills in a wide range of areas including application development and use, web development, databases, operating systems and analysis and design. This broad range of topics prepares them for jobs in small business and for support careers.

Program information

- Students who elect to take EGR 133 in combination with CIS 121 and CIS 160 are prepared to take the A+ Certification examination, the recognized industry standard for computer service technicians.
- The optional Cooperative Education program places students in computer-related positions, where they can earn course credit, wages, and experience.
- Note: Students may be required to obtain and use specific hardware, operating systems, or applications.
- 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.

After Bristol

- Recent graduates are in high demand and have moved into various types of employment, including positions such as help desk technician, office specialist, computer sales, or consultant. Some have started their own businesses. Frequently, they serve as the computer person in a small company.

Infused General Education Competencies

Technical Literacy, First Year Experience

Subject: Computer Information Systems

Type: Associate Degree

Campus

Campus:

Fall River

Online

Item #

Title

Credits



General Courses

Item #	Title	Credits
BUS 115	Fundamentals of an Enterprise	1
ENG 101	Composition I: College Writing	3
ENG 102	Composition II: Writing about Literature	3

Choose one of the following

Item #	Title	Credits
ACC 101	Principles of Accounting I	4
ACC 150	Small Business Financial Software	3

Choose one of the following

Item #	Title	Credits
COM 101	Fundamentals of Public Speaking	3
COM 114	Professional Speaking	3

Choose one of the following

History choice impacts other competencies. See Transfer Electives and Elective Recommendations for CIS (p.) plans.

Item #	Title	Credits
HST 111	The West and the World I	3
HST 112	The West and the World II	3
HST 113	United States History to 1877	3
HST 114	United States History from 1877	3

Choose one of the following

Item #	Title	Credits
MTH 119	Fundamental Statistics	3
MTH 125	Modern College Mathematics	3
MTH 131	Elements of College Mathematics	3



Elective Courses

Choose courses from Transfer Electives and Elective Recommendations for CIS (p.) plans.

Item #	Title	Credits
	Ethical Dimensions Elective	0-3
	Global Awareness Elective	3
	Multicultural Perspective Elective	3
	Science Elective	3-4
	Social Phenomenon Elective	3

Program Courses

Take CIS 111 if skills are needed prior to CIS 112.

Item #	Title	Credits
CIS 112	Advanced Business Information Systems	3
CIS 120	Programming: Logic, Design and Implementation	3
CIS 121	Operating Systems	3
CIS 122	Internet Developer	3
CIS 160	The Microcomputer Environment	3
CIS 270	Systems Analysis and Design Seminar	3
CIT 102	Security Awareness	1
CIT 131	Business Creativity	3

Choose one of the following

Item #	Title	Credits
	ACC-MAN-or MAR Elective	3-4
INT 110	Internship Experience	2
EGR 133	Computer Configuration and Repair	4



Choose a CIS/CIT elective from the following

Item #	Title	Credits
CIS 111	Introduction to Business Information Systems	3
CIS 123	Object-Oriented Concepts	3
CIS 131	Windows Server Administration I	3
CIS 132	Introduction to UNIX/Linux and Shell Programming	3
CIS 148	Programming in C#	3
CIS 162	Applications for Web Development	3
CIS 150	Oracle and SQL	3
CIT 136	Web Development for Mobile Devices	3
CIS 152	Database Programming and Management with Access	3
CIS 159	MySQL and PHP	3
CIS 153	Python	3

Choose one of the following

Item #	Title	Credits
CIS 105	Hardware Fundamentals	1
EGR 133	Computer Configuration and Repair	4

Choose one of the following

Item #	Title	Credits
CIS 150	Oracle and SQL	3
CIS 152	Database Programming and Management with Access	3
CIS 159	MySQL and PHP	3

Choose one of the following

Item #	Title	Credits
CIS 132	Introduction to UNIX/Linux and Shell Programming	3
CIS 156	Visual Basic	3
CIS 162	Applications for Web Development	3
CIT 136	Web Development for Mobile Devices	3



Recommended Course Sequence - Semester 1

Item #	Title	Credits
CIS 112	Advanced Business Information Systems	3
CIS 120	Programming: Logic, Design and Implementation	3
ENG 101	Composition I: College Writing	3
MTH 119	Fundamental Statistics	3
MTH 125	Modern College Mathematics	3
MTH 131	Elements of College Mathematics	3

Recommended Course Sequence - Semester 2

Item #	Title	Credits
CIS 121	Operating Systems	3
CIS 122	Internet Developer	3
CIT 102	Security Awareness	1
CIT 131	Business Creativity	3
ENG 102	Composition II: Writing about Literature	3
ACC 101	Principles of Accounting I	4
ACC 150	Small Business Financial Software	3

Recommended Course Sequence - Semester 3

Item #	Title	Credits
BUS 115	Fundamentals of an Enterprise	1
CIS 160	The Microcomputer Environment	3
CIS 150	Oracle and SQL	3
CIS 152	Database Programming and Management with Access	3
CIS 159	MySQL and PHP	3
COM 101	Fundamentals of Public Speaking	3
COM 114	Professional Speaking	3



Recommended Course Sequence - Semester 4

Item #	Title	Credits
	Global Awareness Elective	3
	Social Phenomenon Elective	3
CIS 270	Systems Analysis and Design Seminar	3
	CIS/CIT Elective	3
INT 110	Internship Experience	2
CIS 105	Hardware Fundamentals	1
EGR 133	Computer Configuration and Repair	4
CIS 162	Applications for Web Development	3
CIS 156	Visual Basic	3
CIS 132	Introduction to UNIX/Linux and Shell Programming	3
Total credits:		60-66