



## Cybersecurity and Digital Forensics

### Program Goals Statement

Students will be prepared for critical roles in developing solutions to security problems, which are a continually changing and evolving issue for businesses. Students will master theoretical concepts of information security and the methodologies required for practical problem-solving and prevention. Students will learn computer forensics skills and will be able to conduct analyses of computer and/or network equipment and related data files.

### Program Information

- 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.
- Bristol Community College has a CompTIA Academic Partnership. Through this program, Bristol students can purchase CompTIA test vouchers and prep materials at a 50 percent discount.

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

### After Bristol

- This program prepares students for high-demand roles to protect critical functions in all types of enterprises.
- If you plan to transfer to a four-year institution, visit the Transfer Affairs website at [BristolCC.edu/transfer](http://BristolCC.edu/transfer)

### Infused General Education Competencies

Technical Literacy, First Year Experience

**Program:** Computer Information Systems

**Type:** Associate in Science

### Campus

**Campus:**

Fall River

### Degree Requirements



## General Courses

Course #	Title	Credits
BUS 115	Fundamentals of an Enterprise	1
ENG 101	Composition I: College Writing	3
ENG 102	Composition II: Writing about Literature	3
MTH 131	Elements of College Mathematics	3
	COM 101 or COM 114	3
	SOC 101 or SOC 212	3
	HST 113 or HST 114	3
	Science Elective	3-4

## Program Courses

Course #	Title	Credits
CIS 105	Hardware Fundamentals	1
CIS 106	Operating System Scripting	1
CIS 120	Programming: Logic, Design and Implementation	3
CIS 121	Operating Systems	3
CIS 131	Windows Server Administration I	3
CIS 132	Introduction to UNIX/Linux and Shell Programming	3
CIS 133	UNIX/Linux System Administration I	3
CIS 134	Networking Technologies	4
CIT 150	Cyber Security Principles	3
CIT 155	Introduction of Computer Forensics	3
CIT 250	Cyber Defense and Firewall Security	3
CIT 251	Operating Systems Vulnerability Management & Risk	3
CIT 252	Critical Security Controls	3
CIT 255	Advanced Computer Forensics	4
CIT 274	Cyber Security and Forensics Seminar	4

## Recommended Course Sequence - Semester 1

Course #	Title	Credits
CIS 105	Hardware Fundamentals	1
CIS 120	Programming: Logic, Design and Implementation	3
CIS 121	Operating Systems	3
CIS 134	Networking Technologies	4
ENG 101	Composition I: College Writing	3
MTH 131	Elements of College Mathematics	3



## Recommended Course Sequence - Semester 2

Course #	Title	Credits
CIS 106	Operating System Scripting	1
CIS 131	Windows Server Administration I	3
CIS 132	Introduction to UNIX/Linux and Shell Programming	3
CIT 150	Cyber Security Principles	3
ENG 102	Composition II: Writing about Literature	3
	Science Elective	3-4

## Recommended Course Sequence - Semester 3

Course #	Title	Credits
BUS 115	Fundamentals of an Enterprise	1
CIS 133	UNIX/Linux System Administration I	3
CIT 155	Introduction of Computer Forensics	3
CIT 250	Cyber Defense and Firewall Security	3
CIT 251	Operating Systems Vulnerability Management & Risk	3
	SOC 101 or SOC 212	3

## Recommended Course Sequence - Semester 4

Course #	Title	Credits
CIT 252	Critical Security Controls	3
CIT 255	Advanced Computer Forensics	4
CIT 274	Cyber Security and Forensics Seminar	4
	COM 101 or COM 114	3
	HST 113 or HST 114	3
	<b>Total credits:</b>	<b>66-67</b>