



## Cybersecurity Certificate

**Program:** Computer Information Systems

**Program Code:**

CY

**Academic Area:**

Science, Technology, Engineering and Mathematics

**Type:**

Certificate of Accomplishment

**CIP Code:**

43.0404

### Program Statement

Students will be prepared for professional entry-level positions in the field of cybersecurity. Students will master the theoretical concepts of information security, the methodologies required for practical problem-solving, and the digital forensic techniques to conduct analyses of computers, networking equipment, and related information assets. Students will also learn the principles of managing risk within IT infrastructures and how to conduct business continuity and disaster recovery planning for enterprise organizations.

### Program Information

- Students are required to complete seven program courses for a total of 22 credits.
- This certificate is ideal for career professionals and learners with an associate degree or higher seeking to transition into the field of cybersecurity.
- This certificate may be completed 100% online within 12 months.
- In the first semester, students must attend a mandatory one hour virtual Internship Prep Workshop. The internship in the second semester is a professional learning experience which offers meaningful, valuable, and practical work within the field of cybersecurity.
- Students with CompTIA Network+ and Security+ certifications can receive Credit for Prior Learning for CIS 134 and CIT 150, respectively.
- 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.
- Bristol Community College is a licensed partner with CompTIA, Cisco Networking Academy, and AWS Academy. Bristol students can purchase test vouchers and prep materials at a discount.
- All courses may be applied to an Associate in Science in General Studies, STEM Transfer Studies.

### After Bristol

- This program prepares students for high-demand careers as information security professionals in various organizations.
- All courses within this certificate program apply to the Associate in Science in Cybersecurity and Digital Forensics degree program. Please speak to an advisor for details.



## Program Requirements

| Course # | Title                                 | Credits |
|----------|---------------------------------------|---------|
| INT 210  | Internship Experience I               | 3       |
| CIS 134  | Networking Technologies               | 4       |
| CIT 150  | Cybersecurity Principles              | 3       |
| CIT 250  | Cyber Defense and Firewall Security   | 3       |
| CIT 251  | Managing Risks in Information Systems | 3       |
| CIT 252  | Critical Security Controls            | 3       |
| CIT 277  | Cybersecurity Capstone                | 3       |

### Recommended Course Sequence - Semester 1

| Course # | Title                   | Credits |
|----------|-------------------------|---------|
| CIS 134  | Networking Technologies | 4       |

### Recommended Course Sequence - Semester 2

| Course # | Title                    | Credits |
|----------|--------------------------|---------|
| CIT 150  | Cybersecurity Principles | 3       |

### Recommended Course Sequence - Semester 3

| Course # | Title                                 | Credits |
|----------|---------------------------------------|---------|
| CIT 250  | Cyber Defense and Firewall Security   | 3       |
| CIT 251  | Managing Risks in Information Systems | 3       |

### Recommended Course Sequence - Semester 4

| Course # | Title                      | Credits   |
|----------|----------------------------|-----------|
| INT 210  | Internship Experience I    | 3         |
| CIT 252  | Critical Security Controls | 3         |
| CIT 277  | Cybersecurity Capstone     | 3         |
|          | <b>Total credits:</b>      | <b>22</b> |