

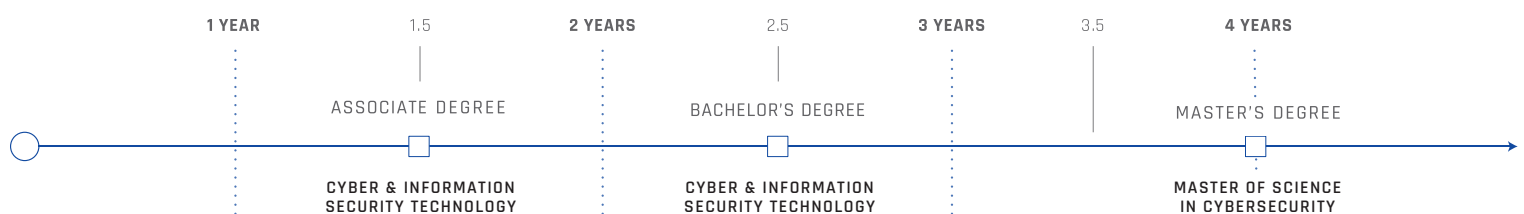


CYBER & INFORMATION SECURITY TECHNOLOGY MAJOR

Living in the age of data means embracing the interconnectedness that allows us to communicate and collaborate in an infinite number of ways. Data can mean a wealth of information and insight at our fingertips, but it can also be detrimental in the wrong hands. With progressively more information traveling over the wires and with increasing threats internationally with cyber terrorism, the need to defend and protect an organization's assets is critically important.

Do you want to stop cyber-crime before it starts? If preventing, detecting, and battling digital crime is important to you, a career in cyber security may be the perfect fit, and a **Bachelor of Science Degree in Computer and Information Science with a Cyber and Information Security Technology Major** could be a great way to start! As a cybersecurity specialist, you could be on the front lines of cyber warfare and defense, protecting vital computer systems against inside and outside threats alike, including social engineering, hackers, malware, spyware, and viruses.

You could earn a **Bachelor of Science Degree in Computer and Information Science with a Cyber and Information Security Technology Major** in as little as 2.5 years through ECPI University's year-round degree program.



Outcomes

Students in the B.S. in **Computer and Information Science** program develop planning, design, implementation, and support skills in operating systems, networking, software programs, and security.

Computer and Information Science Outcomes:

- ▶ Use processes, tools, and technologies to support an organization
- ▶ Lead and work as a member of a technical team
- ▶ Apply written, oral, and graphical communication in both technical and non-technical environments
- ▶ Identify and use appropriate technical literature
- ▶ Engage in continuous professional development through user groups, associations, conferences, readings, research, and other channels
- ▶ Develop and use ethical best practices in the maintenance and security of information and systems

Cyber and Information Security Technology major Outcomes:

- ▶ Design and develop secure software solutions using object-oriented principles
- ▶ Develop integrated systems solutions using software, web, and mobile applications to access organizational databases
- ▶ Plan secure software solutions with customers

Possible Career Settings

Professionals from this program are employed in a wide range of positions including:

- ▶ Information security analyst
- ▶ Network administration
- ▶ Technical support and help desks
- ▶ Network infrastructure support areas in routing, server management, and switching
- ▶ Network security analyst
- ▶ Network applications supervision/management
- ▶ Information technology solutions provider
- ▶ Network implementation

As a condition of employment in any security position, a prospective employee may be required to pass a full back-ground investigation for the purpose of obtaining a security clearance.



CYBER & INFORMATION SECURITY TECHNOLOGY MAJOR

To receive a Bachelor's Degree in *Computer and Information Science with a Major in Cyber and Information Security Technology*, students must earn 120 semester credit hours. The program requires a minimum of eight semesters, 30 months or 120 weeks of instruction.

Program Requirements are as follows:

CORE CURRICULUM

28 SEMESTER CREDIT HOURS

	CREDITS
Introduction to Python Scripting	3
Introduction to Programming	3
Introduction to Cloud Solutions	3
Introduction to Networking	3
Linux Administration	3
Principles of Cybersecurity	3
Introduction to Databases	3
Applied Project Management	3
Applied Project Management LAB	1

ARTS AND SCIENCES*

31 SEMESTER CREDIT HOURS

Arts and Sciences Capstone	3
Principles of Communication	3
College Composition	3
Advanced Composition	3
Culture and Diversity: Exploring the Humanities	3
College Algebra	3
Statistics	3
Introduction to Psychology	3
Positive Psychology	3

ONE LECTURE COURSE & CORRESPONDING LAB

FROM THE FOLLOWING:

Physics	3
Physics LAB	1
Environmental Biology	3
Environmental Biology LAB	1

*For allowable substitutions of arts and sciences courses, see the Arts and Sciences Department page

SELF INTEGRATION

9 SEMESTER CREDIT HOURS

	CREDITS
Introduction to Operating Systems	3
Computer Applications	3
Essentials for Success	3
Career Orientation	1

CYBER AND INFORMATION SECURITY TECHNOLOGY MAJOR

37 SEMESTER CREDIT HOURS

Computer Configuration I	3
Introduction to Routing and Switching	3
Introduction to Routing and Switching LAB	1
Intermediate Routing and Switching	3
Routing and Switching LAB	1
Network Protocols and Services	3
Windows Client and Server	3
Windows Client and Server LAB	1
Advanced Windows Server	3
Windows Active Directory	3
Windows Active Directory LAB	1
Network Scripting	3
Ethical Hacking	3
Advanced Defense and Countermeasures	3

ONE OF THESE TWO COURSES:

Cyber and Network Security Capstone	3
Bachelor's Externship-CIS	3

ELECTIVES

SEMESTER CREDIT HOURS 15

SEMESTER CREDIT HOURS

120

These are the courses making up the degree plan at the time of student enrollment. The University at its sole discretion may modify the program track as deemed necessary.

START DATE _____

ORIENTATION _____

Tuition Includes

- ▶ Tutoring
- ▶ Parking fees
- ▶ Graduate employment services
- ▶ Externships (if applicable)
- ▶ Subsidized certification vouchers
- ▶ Full and part-time job assistance while attending school

Application Fee \$15 non-refundable, one-time charge

Registration Fee \$100

Monthly Payment Monthly payments are determined after all federal grants, loans, scholarships, and alternative loans are applied.

What You Need

- ▶ Complete FAFSA online at fafsa.gov (for help go to: ecpi.edu/fa)
- ▶ 3 references

Program Cost²

- ▶ Bachelor's = 8 semesters x \$8,712 = \$69,696 (est.)
- ▶ Associates = 5 semesters x \$8,712 = \$43,560 (est.)
- ▶ Bachelor's (Degree Completion) = 3 1/3 semesters = \$30,492 (est.)

- ▶ ECPI semester = 15 weeks consisting of three 5-week terms
- ▶ Technology fee = \$480.00 per semester
- ▶ ECPI University reserves the right to make changes to tuition and fees without notice.

Students utilizing military benefits will need to speak with their Educational Services Officer (ESO) or counselor within their military service prior to enrolling at ECPI University.

¹ A student transferring into the Bachelor of Science in Cyber and Information Security Technology (Degree Completion) program will transfer a minimum of 60 credit hours from his/her previous baccalaureate degree.

² Final cost will be calculated at time of enrollment.

³ Funding list is not comprehensive. Not all options available to all students. Consult your local Financial Aid department to determine options available to you.



COMPUTER & INFORMATION SCIENCE PROGRAM DEGREES

BACHELOR'S DEGREE

Software Development major

- ▶ Mobile Development track
- ▶ Web Design & Development track
- ▶ Data Analytics track
- ▶ Software Development track

Cyber & Information Security Technology major

- ▶ Cloud Computing track
- ▶ Cyber & Information Security Technology track
- ▶ Cybersecurity track
- ▶ Digital Forensics Technology track

Cyber & Information Security Technology¹ (Degree Completion)

ASSOCIATES DEGREE

Associate of Science (AS) Virginia & North Carolina
 Associate of Applied Science (AAS) South Carolina

- ▶ Cyber & Information Security Technology
- ▶ Software Development

Programs may vary by campus location.

Funding Your Education Options³

