

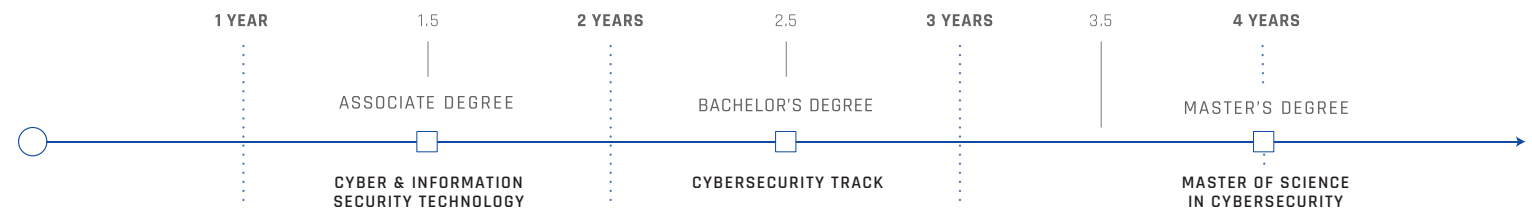


Living in the age of data means embracing the interconnectedness that allows us to communicate and collaborate in an infinite number of ways. Data can mean a wealth of information and insight at our fingertips, but it can also be detrimental in the wrong hands. With progressively more information traveling 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 cybersecurity may be the perfect fit and a cyber and information security technology degree 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 major in Cyber and Information Security Technology and a track in Cybersecurity in as little as 2.5 years through ECPI University's year-round degree program.

Our Cyber and Information Security Technology major and Cybersecurity track could teach you how to:

- ▶ Protect data and manage personnel conduct in relation to safeguarding data
- ▶ Perform vulnerability analysis/penetration testing of organizations
- ▶ Actively monitor and defend networks
- ▶ Create basic security policy and procedures



Outcomes

Upon successful completion of the Bachelor of Science in Computer and Information Science with a major in Cyber and Information Security Technology, graduates are able to:

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:

- ▶ Plan, design, configure and administer a network and security infrastructure
- ▶ Maintain, monitor, and troubleshoot a network and security infrastructure
- ▶ Assess and implement technical and non-technical security controls to protect an organization from threats and vulnerabilities

Possible Career Track

Upon completion, graduates with a Bachelor of Science Degree in Computer and Information System with a major in Cyber and Information Security Technology and a track in Cybersecurity could pursue career opportunities across a wide range of industries and businesses in positions such as:

- ▶ Technical Support and Help Desks
- ▶ Network and Security Infrastructure Support
- ▶ Information Security Analyst
- ▶ Network Security Analyst
- ▶ IT Supervision/Management
- ▶ Information Technology Solutions Providers
- ▶ Network Security Implementation

The National Security Agency and the Department of Homeland Security have designated ECPI University as a National Center of Academic Excellence in Cyber Defense Education (CAE-CDE) for the Bachelor of Science in Computer and Information Science: Cyber and Information Security Technology major, Cybersecurity Track through academic year 2023.





CYBERSECURITY TRACK

BACHELOR OF SCIENCE DEGREE

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

Program Requirements are as follows:

CORE CURRICULUM

28 SEMESTER CREDIT HOURS

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

ARTS & 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 AND 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
Office Applications	2
Essentials for Success	3
Career Orientation	1

CYBER & INFORMATION SECURITY TECHNOLOGY

37 SEMESTER CREDIT HOURS

Computer Configuration I	3
Introduction Routing and Switching	3
Introduction 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

CYBERSECURITY TRACK

15 SEMESTER CREDIT HOURS

Advanced Cybersecurity	3
Advanced Cybersecurity Lab	1
Advanced Linux Administration	3
AI/Machine Learning/Edge Computing	3
Ethical Hacking Lab	1
Ethical Hacking II	3
Advanced Defense and Countermeasures Lab	1

APPRENTICESHIP OPTION

0 SEMESTER CREDIT HOURS

Apprenticeship I	0
Apprenticeship II	0
Apprenticeship III	0
Apprenticeship IV	0
Apprenticeship V	0
Apprenticeship VI	0

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 and 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 Cost

- Associate = 5 semesters x \$8,712 = \$43,560 (est.)
- Bachelor's = 8 semesters x \$8,712 = \$69,696 (est.)
- Accelerated Bachelor's = 4 semesters x \$8,712 = \$34,848* (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 in tuition and fees without further notice.

*Cost will vary by individual student's final transfer credits. Final cost will be calculated at time of enrollment.



COMPUTER & INFORMATION SCIENCE PROGRAM DEGREES

BACHELOR'S DEGREE

SOFTWARE DEVELOPMENT MAJOR

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

CYBER & INFORMATION SECURITY TECHNOLOGY MAJOR

- Cloud Computing
- Cyber & Information Security Technology
- Accelerated Cyber & Information Security Technology (Degree Completion)
- Cybersecurity
- Digital Forensics Technology

ASSOCIATE DEGREE

AS (VA & NC) AAS (SC)

- Cyber & Information Security Technology
- Software Development

*Programs offered vary by campus location.

