



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
- Actively monitor and defend networks
- Create basic security policy and procedures
- Perform vulnerability analysis/penetration testing of organizations



Outcomes

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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 2028.







Career Orientation

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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 | CREDITS | CYBER & INFORMATION SECURITY 1 | TECHNOLOGY |
|---|---------|---|------------|
| 28 SEMESTER CREDIT HOURS | | 37 SEMESTER CREDIT HOURS | |
| Introduction to Business | 3 | Computer Configuration I | 3 |
| Applied Project Management | 3 | Introduction Routing and Switching | 3 |
| Applied Project Management LAB | 1 | Introduction Routing and Switching Lab | 1 |
| Introduction to Programming | 3 | Intermediate Routing and Switching | 3 |
| Introduction to Cloud Solutions | 3 | Routing and Switching LAB | 1 |
| Introduction to Networking | 3 | Network Protocols and Services | 3 |
| Linux Administration | 3 | Windows Client and Server | 3 |
| Principles of Cybersecurity | 3 | Windows Client and Server Lab | 1 |
| Introduction to Databases | 3 | Advanced Windows Server | 3 |
| Introduction to Scripting | 3 | Windows Active Directory | 3 |
| | | Windows Active Directory LAB | 1 |
| ARIS & SUIENCES | | Network Scripting | 3 |
| 31 SEMESTER CREDIT HOURS | - | Ethical Hacking | 3 |
| Arts and Sciences Capstone | 3 | Advanced Defense and Countermeasures | 3 |
| Principles of Communication | 3 | ONE OF THESE TWO COURSES: | |
| College Composition | 3 | Cyber and Network Security Capstone | 3 |
| Advanced Composition | 3 | Bachelor's Externship-CIS | 3 |
| Culture and Diversity: Exploring the Humanities | 3 | | |
| College Algebra | 3 | | |
| Statistics | 3 | 15 SEMESTER CREDIT HOURS | 0 |
| Introduction to Psychology | 3 | Advanced Cybersecurity | 3 |
| Positive Psychology | 3 | Advanced Cybersecurity Lab | 1 |
| ONE LECTURE COURSE AND CORRESPONDING LAB | | Advanced Linux Administration | 3 |
| FROM THE FOLLOWING: | _ | Al/Machine Learning/Eage Computing | 3 |
| Physics | 3 | Ethical Hacking Lab | 1 |
| Physics LAB | 1 | Ethical Hacking II Advanced Befores and Oswaterresserves Lab | 3 |
| Environmental Biology | 3 | Advanced Defense and Countermeasures Lab | 1 |
| Environmental Biology LAB | 1 | APPRENTICESHIP OPTION | |
| *For allowable substitutions of arts and sciences sources, see the Arts and | | O SEMESTER CREDIT HOURS | |
| Sciences Department page | | Apprenticeship I | 0 |
| | | Apprenticeship II | 0 |
| SELE INTEGRATION | CREDITS | Apprenticeship III | 0 |
| | | Apprenticeship IV | 0 |
| Introduction to Operating Systems | Ç | Apprenticeship V | 0 |
| Affice Applications | 2 | Apprenticeship VI | 0 |
| Essentials for Success | 3 | | |

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.

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START DATE

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 r |
|------------------|--------|
| | one- |
| Registration Fee | \$100 |
| Monthly Payment | Mont |

15 non-refundable, ne-time charge

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.





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.

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