



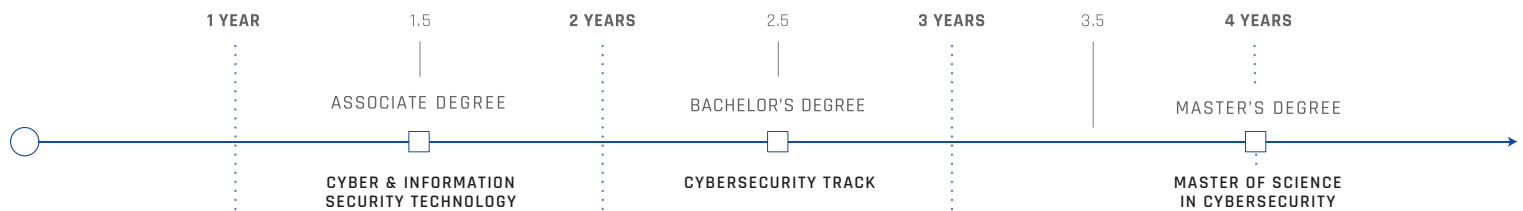

# CYBERSECURITY

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 Science 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.

