



# CYBER & NETWORK SECURITY

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.

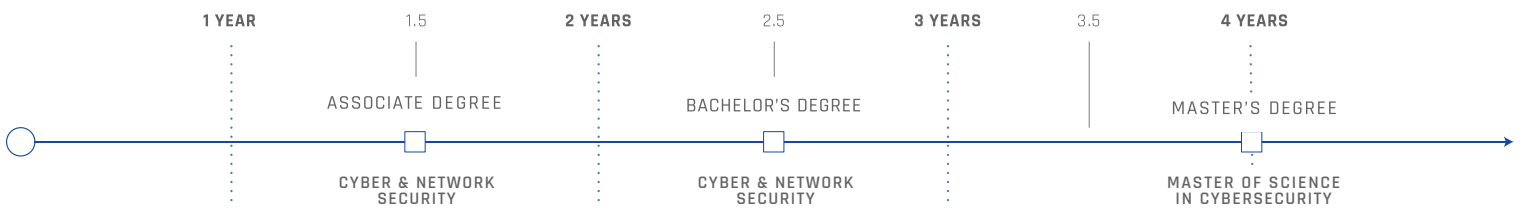
Do you want to stop cyber-crime before it starts? If preventing, detecting, and battling digital crime is important to you, a career in cyber security may be the perfect fit, and a Computer and Information Science degree with a major in Cyber and Network Security could be a great way to start! As a cybersecurity 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 an Associate of Science Degree in Computer and Information Science with a Cyber and Network Security concentration in just 1.5 years through ECPI University's year-round degree program.

### Our Cyber and Network Security Degree Program could teach you how to:

- ▶ Troubleshoot & maintain hardware, software, or services for single, mixed and multi-user environments
- ▶ Use cyber security measures to protect data and manage personnel conduct in relation to safeguarding data
- ▶ Learn how to actively monitor and defend networks

Join a high-demand industry where you could make a difference in the lives of so many—contact ECPI University today and learn more about earning your Associate's in Computer and Information Science with a concentration in Cyber and Network Security.



### Possible Career Track

Network and cyber security management professionals are employed in a wide range of positions including:

- ▶ Technical Support & Help Desks
- ▶ Network & Security Infrastructure Support
- ▶ Network Administrator
- ▶ Network Security 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.

### Outcomes

In addition to the A.S. CIS Program Outcomes, students in the Cyber and Network Security Concentration learn about installing, securing, testing, and maintaining computer networks.

#### 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
- ▶ Use cloud computing tools

#### Cyber and Network Security Concentration Outcomes:

- ▶ Configure and administer a network and security infrastructure
- ▶ Maintain, monitor, and troubleshoot a network and security infrastructure
- ▶ Implement technical and/or non-technical security controls to protect an organization from threats and vulnerabilities

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