

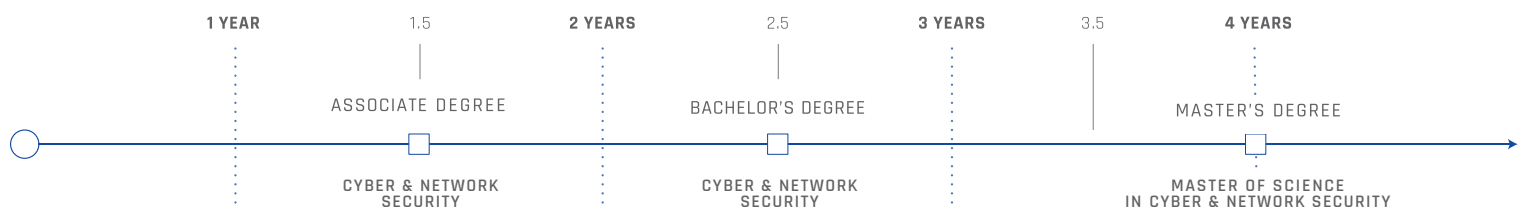



CYBER & NETWORK SECURITY

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 a Bachelor of Science Degree in Computer and Information Science with a Cyber and Network Security major in just 2.5 years through ECPI University's year-round degree program.



Possible Career Track

Network and cyber security management professionals 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 providers
- ▶ 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.

Outcomes

Students in the B.S. in Computer & 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 Network Security Major Outcomes:

- ▶ Use cloud computing tools
- ▶ 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

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