ecpi UNIVERSITY

CYBERSECURITY
BACHELOR'S DEGREE IN COMPUTER AND INFORMATION SCIENCE WITH A MAJOR IN CYBER AND NETWORK SECURITY - CYBERSECURITY

OVERVIEW

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 cyber and network security 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 Network Security and a track in Cybersecurity in just 2.5 years through ECPI University's year-round degree program.

Our Cyber and Network Security 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

COLLEGE OF TECHNOLOGY

POSSIBLE CAREER TRACK

- **TECHNICAL SUPPORT AND HELP DESKS**
- **NETWORK & SECURITY INFRASTRUCTURE SUPPORT**
- **INFORMATION SECURITY ANALYST**
- **NETWORK SECURITY ANALYST**
- **IT SUPERVISION/MANAGEMENT**
- **INFORMATION TECHNOLOGY SOLUTIONS PROVIDERS**
- **NETWORK SECURITY IMPLEMENTATION**

PROGRAM 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. Students develop additional focused skills based on which major the student pursues. Students also learn principles of excellent customer service in order to assist clients with technical issues.

Upon successful completion of the Bachelor of Science in Computer and Information Science with a major in Cyber and Network Security, 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
- Use cloud computing tools

CYBER AND NETWORK SECURITY 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

CYBERSECURITY

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