



Bachelor of Science Computer & Information Science

Cyber & Information Security Technology Major

Cybersecurity Track

Cloud Computing Track

Digital Forensic Track

Non-Track Option, Electives

Program Summary

A Bachelor of Science in Computer and Information Science (CIS) degree equips students with comprehensive skills in operating systems, software programs, networking, and security, preparing them for career-entry positions in various industries. Graduates are proficient in designing and implementing computer-based solutions, collaborating effectively in teams, communicating in technical and non-technical environments, engaging in continuous professional development, and applying ethical and legal best practices in information and system security.

Cyber & Information Security Technology, Major Summary

Organizations face increasing demands to provide secure access to information systems while combating sophisticated cyber threats. The Cyber and Information Security Technology major equips students with the skills needed to meet these challenges by focusing on the essential aspects of computer networking and security. This career-driven, hands-on, interactive educational program prepares students with the networking and security skills required in the field. Students gain experience with different operating systems, networking technologies, and security practices.

Available Options

- ▶ Cybersecurity Track
- ▶ Cyber and Information Security Technology Electives
- ▶ Cloud Computing Track
- ▶ Digital Forensics Technology Track

Program Outcomes

Upon program completion, graduates will be able to:

- ▶ Design, implement, and evaluate computer-based solutions that incorporate the appropriate computing requirements.
- ▶ Protect data and manage personnel conduct in relation to safeguarding data.
- ▶ Plan, design, configure and administer a network and security infrastructure.
- ▶ Maintain, monitor, and troubleshoot network and security infrastructure.
- ▶ Assess and implement technical and non-technical security controls to protect an organization from threats and vulnerabilities.
- ▶ Function effectively on teams to establish goals, plan tasks, meet deadlines, manage risk, and produce deliverables.

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.



Program information is subject to change without notice. Consult the University Catalog for the most up to date information.