



Central to Defending Emerging Threats.

Central's BS in Cybersecurity provides a strong foundation in both networking and computer science as it prepares students to become highly qualified computing professionals ready to meet the growing and changing demands of businesses and the industry. Students can choose the general option which requires a minor or pursue one of the in-depth concentrations aligned with the content focus areas recommended by the National Security Agency (NSA).

The interdepartmental nature of this program prepares students for careers as cybersecurity experts able to identify system vulnerabilities, detect and anticipate cyber attacks, and secure information assets. Graduates become professionals continually learning and exploring information as software, science, and technology continually evolve and criminals seek ever more ways to exploit system vulnerabilities.

Program Features

- Starts in January and August
- 120-credit program
- Mandatory cybersecurity internship ensures job experience prior to graduation
- ABET accredited Computer Science courses
- Association of Technology Management & Applied Engineering accredited Networking courses
- Taught by professional faculty with industry experience
- Financial aid and scholarships available
- Free on-campus child care available



Program Options

General: Students acquire deep technical, computer science and networking skills and work with their advisor to select courses that set the stage for graduate study or employment in any technical or professional area.

Cyber Operations: Provides deeply technical, inter-disciplinary skills grounded in the computer science, networking, and electrical engineering disciplines. Prepares graduates for graduate study or employment related to gathering evidence and protecting against possible or real-time threats.

Cyber Defense: Provides deeply technical, inter-disciplinary skills grounded in the computer science, networking, and computer engineering disciplines. Prepares graduates for graduate study or employment related to using defensive measures to prevent, identify, analyze, and report events that might occur within the software or network to protect information and information systems from threats.

Career Preparation

With the increasing focus on information security across all industries, the demand for graduates with a cybersecurity background is projected to be one of the fastest growing and most highly demanded skill sets across all computer occupations according to the United States Department of Labor.

The top demand in this area is in deep technical skill roles such as: Cyber Security Analyst/Specialist, Cyber Security Engineer, Network Engineer, Software Engineer, and Systems Engineer, which are the target of this program.

Job outlook 2020-2030:

33% increase information security analysts (median salary \$103,590)

Source: [forbes.com/advisor/education/cyber-security-salary-outlook](https://www.forbes.com/advisor/education/cyber-security-salary-outlook)

Clubs

Computer Science Club promotes students furthering their knowledge in computing fields and provides opportunities for students to gain real-world experience. Students participate in discussions, presentations, hack-a-thons, hours of code, and other activities.

Cybersecurity Club encourages increasing student knowledge and experience in cybersecurity and technology and furthers student interest and engagement. Club promotes teamwork, leadership, and networking.



DID YOU KNOW?

The curriculum of both the Cyber Operations and Cyber Defense concentrations is specifically designed to align with the skills deemed necessary by the National Security Agency for jobs in these fields.



PROGRAM WEBSITE

ABOUT CENTRAL:

Central Connecticut State University is the largest university within the Connecticut State Colleges and Universities system. Founded in 1849, Central is also the state's oldest publicly funded university. Our campus is located in New Britain, Connecticut. Central is accredited by the New England Commission of Higher Education (NECHE).

