

# Bachelor's in Computer Networks and Cybersecurity

(BS)

In today's technology-driven economy, experts in computer networks and cybersecurity are needed more than ever to protect companies and organizations from hacking and other malicious activity. Demand for cybersecurity experts far outpaces the number of qualified candidates; by 2020, there will be 1.5 million unfilled Cybersecurity positions worldwide.\*

Our B.S. in Computer Networks and Cybersecurity provides theoretical, analytical, and practical skills through a solid foundation in computing, networks, and cybersecurity. Students develop the project management, communication, critical-thinking, and technical skills required to be effective in the industry.

## DID YOU KNOW?

- U.S. News and World Report projects that careers in information security analysis will grow 36.5% by 2022.
- Our professors include CIOs, project managers, network administrators, system analysts, security specialists, and certified CISCO instructors.
- Students can also earn certifications in A+, CCNA, Network+, Security+, Cloud+, and CWNP.

## POPULAR CAREER PATHS

Some of the more popular career choices for graduates of Monroe's Bachelor's in Computer Networks and Cybersecurity degree program include:

- Computer Forensics
- Cloud Engineering
- Cybersecurity
- Information Security
- Network Administration
- Network Design
- Network Troubleshooting
- Security Analysis

\* The 2015 (ISC)2 Global Information Security Workforce Study, Frost & Sullivan



**CONTACT:** Office of Undergraduate Admissions | (800) 556-6676 | [www.monroecollege.edu](http://www.monroecollege.edu)

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## Recommended MAP Sequence

The Monroe Advantage Plan is a unique three-semester plan that offers our students the opportunity to earn up to 45 credits in just one year. By following the recommended sequence below, you can receive your Bachelor's in Computer Networks and Cybersecurity in just three years and still enjoy time off in December, April and a full month in August.



1ST YEAR			2ND YEAR			3RD YEAR	
Semester 1	Semester 2	Semester 3	Semester 4	Semester 5	Semester 6	Semester 7	Semester 8
Intro to Information Technology	Computer Hardware	Computer Software	Operating Systems	Wireless Technology	Ethical Hacking	Information Security	Senior Seminar
Integrated Business Applications	CISCO I	CISCO II	Systems Analysis and Design	CISCO III	CISCO IV	Internship Seminar	IT Elective
Quantitative Math	Programming Logic	Finite Math & Linear Modeling	Statistics I or Calculus I	Unix/Linux	IT Elective	IT Project Management	IT Elective
Fundamentals of Communication	Liberal Arts Elective	Database	Network Security	Networking in Windows Environment	Active Directory	Network and Computer Forensics	Liberal Arts Elective
College Writing & Critical Analysis	Analytical Thinking, Writing & Research	Professional Writing & Presentation	Liberal Arts Elective	Literary Criticism & Analysis	Liberal Arts Elective	Liberal Arts Elective	Liberal Arts Elective



For consumer information about this program and its graduates, go to [www.monroecollege.edu/info](http://www.monroecollege.edu/info).

## Quick Facts

Careers in computer systems analysis will grow 21% from 2014 to 2024.

— Bureau of Labor Statistics

Careers in information security analysis were ranked number eight for best jobs of 2016.

— U.S. News and World Report Statistics

Job postings in the field of cybersecurity grew 74% between 2010 and 2015.

— Peninsula Press/Bureau of Labor Statistics