

# COMPUTER NETWORKS AND CYBERSECURITY

Degree Type

**Bachelor's Degree**

Also Offered Fully Online

**Bachelor's Degree**



In today's technology-driven economy, experts in computer networks and cybersecurity are needed more than ever to design, administer and manage their network, and protect companies and organizations from hacking and other malicious activity. Demand for cybersecurity experts far outpaces the number of qualified candidates.

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?

- + Monroe Computer Networks and Cybersecurity students are encouraged to take part in major-related clubs, including the Information Technology Student Association (ITSA).
- + Information Technology (IT) professionals are found in virtually all sectors, including health, fashion, music, financial, hospitality, nonprofit, and government.
- + Students enrolled in Monroe's Computer Networks and Cybersecurity program are taught by leaders in IT, such as CIOs, network analysts, project managers, system administrators, information security consultants, and network architects.

## POPULAR CAREER PATHS

Some of the popular career paths for graduates of Monroe's Bachelor's in Computer Networks and Cybersecurity include:

- + **Computer Network Architect**
- + **Information Security Analyst**
- + **Network Administrator**
- + **Computer Network Support Specialist**
- + **Cyber Data Analytics Expert**
- + **Cybersecurity Project Manager**
- + **Forensic Specialist**
- + **Homeland Security Consultant**

# OPPORTUNITIES LIKE AN INFORMATION SECURITY INTERNSHIP WITH THE NEW YORK TIMES AND TAKING CLASSES TAUGHT BY CYBERSECURITY EXPERTS PREPARED ME TO WORK IN THIS GROWING FIELD.

**Yulini Persaud**

*Bachelor's in Computer Networks and Cybersecurity,  
Senior Information Security Analyst at the New York Times*



## BACHELOR'S DEGREE

1ST YEAR			2ND YEAR			3RD YEAR	
Semester 1	Semester 2	Semester 3	Semester 4	Semester 5	Semester 6	Semester 7	Semester 8
Introduction to Information Technology	Computer Hardware and Software	Programming Logic	Systems Analysis & Design	Networking in a Windows Environment	Ethical Hacking	Security Strategies in Windows Platforms & Applications	Network & Computer Forensics
College Writing & Critical Analysis	Database	CCNA II	Operating Systems	CCNA III	Management Information Systems	Internship Seminar I	Senior Seminar
Fundamentals of Communication	CCNA I	Professional Writing & Presentation	Network Security	Wireless Technology	CCNA: Cyber Ops	IT Project Management	Liberal Arts Elective
Liberal Arts Elective	Analytical Thinking, Writing & Research	IT Elective	Liberal Arts Elective	Database Management	Cloud Foundations	IT Elective	Liberal Arts Elective
Quantitative Reasoning	Finite Math & Linear Modeling	Liberal Arts Elective	Pre-Calculus or Statistics for Business Decisions I	Professional Communication	IT Elective	IT Elective	Liberal Arts Elective