

CYBER SECURITY INFRASTRUCTURE

Associate in Science

The Cyber Security Program provides students the opportunity to become knowledgeable and skilled in a layered approach to computer systems security. The education process trains students for entry-level positions such as network security technicians, data security analyst, and systems security administrators. The program provides an introduction to the latest security technologies and best practices. Students completing this degree program will be able to use the curriculum fundamentals learned to prepare for the CCNA, CCNAS, Network+, and Security+ industry certification exams.



Employment of information security analysts is projected to grow 33% from 2023 to 2033. Demand for information security analysts is expected to be very high, as these analysts will be needed to create innovative solutions to prevent hackers from stealing critical information or causing problems for computer networks.

Career Possibilities

Job Title	Average Salary
Emergency Management Director	\$86,130
Forensic Science Technician	\$67,440
Network & Computer Systems Admin	\$96,880
Information Security Analyst	\$124,910

TAKE THE NEXT STEP!

Apply today: greatbay.edu/admissions
gbadmissions@ccsnh.edu | (603) 427-7632
320 Corporate Drive
Portsmouth, NH 03801

Your Road to *Success*

61-64 Credits to Complete

CYBER SECURITY CURRICULUM:

*Up to 18 credits at the 100 levels
At least 21 credits at the 200 levels*

CIS 146G - Linux I

CIS 177G - Intro to Python

IST 112G - Applied Logic

IST 122G - Intro to Networks

IST 123G - Switching, Routing, & Wireless Essentials (SRWE)

IST 142G - Virtualization Essentials

IST 222G - Enterprise Networking, Security & Automation (ENSA)

IST 262G - Advanced Network Security

IST 263G - Info Assurance/Info Risk Management

IST 264G - Configuration Security Appliance

IST 265G - CCNA Cyber Security Operations

IST 266G - Security +

IST 275G - Network Protocols & Services

GENERAL EDUCATION COURSES:

BIOL 101G/106G - Human Disease OR Human Body

ENGL 110G /111G - College Composition I / with Lab

MATH XXXG (Pathway 1) —150G/152G & MATH170G

MATH XXXG (Pathway 2) - 170G & MATH106G

PHIL 240G - Ethics

Social Science Elective (3-4 credits)

Courses are subject to change. Please refer to Catalog for suggested pathway.

Revised 6/26/2025



Great Bay
Community College

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COMMUNITY**

WHY GREAT BAY?

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Ready to Take the Next Step?

Contact Admissions at (603) 427-7632 or gbadmissions@ccsnh.edu

