

Information Systems Technology Certificate



The IST Certificate is designed to prepare students for a career in the Information Technology workplace with a 24-credit milestone. Students are encouraged to explore topics like networking devices, network infrastructure, PC maintenance and support, security and Windows network operating systems. The eight-course requirement is flexible, with a maximum of fifteen 100-level credits and a minimum of nine 200-level credits in courses with IST designations.

Students can choose to finish the Associate in Science Degree and further their education at a four-year college.

The IST200G course offers the Fiber Optic Association CFOT, and CFxT, certification exams as part of the course assessments. (See www.thefoa.org for details.) Other industry certification exams such as the Cisco (CCNA), Microsoft (MTA), CompTIA, certifications are not included within the IST program. However, the IST curriculum is designed to provide foundation preparation for these industry certification exams. Students wishing to pursue these certifications must arrange to take these exams on their own.

The course sequence of IST122G, IST123G, and IST222G comprise the entire Cisco Certified Network Associate (CCNA) Academy. Courses are offered in 8-week/8-week format over a semester to allow students to complete the CCNA Certification preparation track over two semesters.

Whether students choose to enter the workforce or continue their education, Great Bay's Information Systems Technology certificate offers a flexible and affordable pathway to long-term career success.

TAKE THE NEXT STEP!

Apply today: greatbay.edu/admissions
gbadmissions@ccsnh.edu / 603-427-7632

24 Credits to Complete

INFORMATION SYSTEMS TECHNOLOGY CURRICULUM:

Select 24 credits from the following offerings:

IST 112G - Applied Logic

IST 113G - IT Essentials PC Hardware & Software

IST 122G - Intro to Networks

IST 123G - Switching, Routing & Wireless Essentials

IST 142G - Virtualization Essentials

IST 150G - Network Operating Systems Fundamentals

IST 161G - Fundamentals of Networking & Security

IST 163G—Legal Issues in Information Security

IST 200G - Communication Electro-optics

IST 212G - Mobile Systems Architecture

IST 222G - Enterprise Networking, Security and Automation

IST 242G - Advanced Virtualization

IST 245G - Enterprise Data Management

IST 262G - Advanced Network Security

IST 263G—Information Assurance/Information Risk Management

IST 264G - Configuration of Security Appliance

IST 265G—CCNA Cybersecurity Operations

IST 266G - Security +

IST 275G - Network Protocols & Services

IST 281G – Internship

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

Revised 5/1/2026

WHY GREAT BAY?

- 60+ Degree/ Certificate Programs
- No application fee
- Small class sizes (avg 15:1 student/faculty ratio)
- Academic Support to include free tutoring
- Highly qualified and experienced faculty
- Transfer to 4-year or direct to career after graduation
- Athletic and Student Life opportunities
- Flexible campus, online, hybrid course options
- 70% of full-time students receive financial aid
- ***Lowest tuition and fees in New Hampshire***



Want to find out more? Click the QR code to visit the Great Bay Admissions webpage where you can learn how to apply, explore all our academic programs, take a virtual campus tour, or sign up for an open house or information session.

Ready to Take the Next Step?

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

