Cyber Security
Associate in Science

MassBay courses are offered days, evenings, weekends, and online. View the complete list of online courses at https://mbccweb.massbay.edu/online.

Check current course availability at www.massbay.edu/courses

DIVISION OF SCIENCE, TECHNOLOGY, ENGINEERING & MATHEMATICS

The Cyber Security Associate in Science degree provides courses and content that are aligned with two major sources of proven requirements for cybersecurity education in 2-year colleges: NICE Framework from National Institute of Standards and Technology (NIST) and Knowledge Unit required for National Centers of Academic Excellence (CAE) in Information Assurance/Cyber Defense (IA/CD) designation, a program jointly sponsored by the National Security Agency (NSA) and the Department of Homeland Security (DHS).

The goal of this program is to offer a balanced and comprehensive security program that could lead to the CAE-2Y designation for MassBay.

The objective of this program is to provide students with such knowledge, skills, and abilities that are expected from a student who has earned an associate degree in cybersecurity from a CAE-2Y designated program. Students completing this program will be able to successfully pass a number of CompTIA and Cisco's certifications.

Career Outlook:
This degree program prepares students with appropriate security knowledge to enable their employment as a network and security technician and/or specialist. Students completing this certificate are trained with the latest technology and learning environment acquiring knowledge in networking and security that will help them secure a position in security field that offers great job opportunities.

Upon successful completion, the Associate in Science Degree in Cyber Security is awarded.

PROGRAM FOOTNOTES

Program Electives: CS 113 Fundamentals of Information Technology (IT), CS 212 Systems Programming with C, CS213 Database Management, CS214 Computer Architecture and Assembly Language

Humanities Electives:
Art, Communication, English (EN 103 or higher), Film, Foreign Language, Humanities, Literature, Music, Oral Communication, Philosophy, Photography, Sign Language, Theater Arts

Social Science Electives: Anthropology, Economics, Geography, Government, History, Law, Psychology, Sociology

Competency in mathematics is a MassBay graduation requirement. Prior to graduation, students must demonstrate competency at 100-level math. This may be accomplished by an appropriate placement test score or completion of any 100-level mathematics course or higher, except mathematics courses with a MAC prefix.