

Information Technology

Certificate

DIVISION OF SCIENCE, TECHNOLOGY, ENGINEERING & MATHEMATICS

The world of Information Technology continues to grow and evolve, offering long-term job security. For students who are interested in entering this field, but have little or no computer-related experience, this program offers a wide-ranging introduction. The curriculum focuses on business related applications to provide students with the computer skills needed for a successful entry-level position in the Information Technology field.

Students completing this program will be prepared and are encouraged to gain industry credentials by taking industry standard examinations offered by leading Networking and Cybersecurity certification organizations.

Upon successful completion, the Certificate in [Information Technology](#) is awarded.

PROGRAM FOOTNOTES

Program Electives:

CS 104 Microcomputer Applications/Business,
CS 123 Python Programming,
CS 141 Linux System Management,
CS 235 Systems Analysis and Design,
CS 243 Computer Networks II

| COURSE | COURSE TITLE | CREDITS |
|--------|----------------------------------|--------------|
| | <i>Semester 1</i> | |
| CS 113 | Fundamentals of IT | 4 |
| CS 110 | Introduction to Computer Science | 4 |
| CS 242 | Computer Networks | 4 |
| CS 118 | Scripting | 3 |
| | | 15 |
| | <i>Semester 2</i> | |
| CS 213 | Database Management Systems | 4 |
| | Program Elective | 3/4 |
| CS 116 | Fundamentals of Cybersecurity | 4 |
| | credits: | 11/12 |
| | Total Credits: | 26/27 |

MASSBAY
COMMUNITY COLLEGE