Computer Information Systems
Associate in Science

DIVISION OF SCIENCE, TECHNOLOGY, ENGINEERING & MATHEMATICS

This program is designed to prepare students for employment in the computer information industry or to transfer and pursue a baccalaureate degree in computer information or any related field.

Computer courses give the students a sound background in computer programming, data modeling and database design, computer networks, web design and development, accounting and financial skills.

Upon successful completion, the Associate in Science Degree in Computer Information Systems is awarded.

PROGRAM FOOTNOTES

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.

The program qualifies as an Alternative Transfer Agreement (MassTransfer) with select public institutions in Massachusetts. For more information, visit www.mass.edu/masstransfer.

COURSE | COURSE TITLE | CREDITS
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First Year | Semester 1 | 
CS 110 | Introduction to Computer Science | 4
CS 205 | Introduction to Computation | 4
CT 100 | Critical Thinking | 3
EC 201 | Principles of Macroeconomics | 3
EN 101 | Freshman English I | 3

credits: 17

First Year | Semester 2 | 
CS 120 | Programming I | 4
CS 213 | Fundamentals of IT | 4
EN 102 | Freshman English II | 3
MA 105 | Intro to Statistics | 3
Humanities Elective | 3

credits: 17

Second Semester 1 | 
AC 101 | Financial Accounting I | 4
CS 120 | Programming II | 4
CS 213 | Database Management | 4
CS 242 | Computer Networks | 4

credits: 16

Second Semester 2 | 
AC 102 | Financial Accounting II | 4
CS 235 | Information Systems Analysis and Design | 4
CS 241 | Web Site Development | 4
Program Elective | 3/4

Humanities Elective or Social Science Elective | 3

credits: 18/19

Total Credits: 68/69

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