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

Program Electives: CS 113 Fundamentals of IT, CS 120 Programming I, CS 126 Digital Imaging, CS 141 Linux System Management, CS 176 Web Design, CS 200 Programming II, CS 205 Introduction to Computation, CS 241 Web Site Development, CS 243 Computer Networks II, ET 111 iCREAT-I: Introduction to Coding, Robotics, Engineering, and Technology, ET 211 iCREAT-II, LA 236 Cybercrime, AC 206 Managerial Accounting

Quantitative skills is a MassBay graduation competency for associate degree programs. Prior to graduation, students must demonstrate this competency by completing a 100-level math course (not MAC); or placing into a 200-level mathematics course.

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

First Year Semester 1 CS 110 Introduction to Computer Science MA 105 Intro to Statistics 3 CT 100 Critical Thinking 3 EC 201 Principles of Macroeconomics 3 EN 101 English Composition I 3 redits: 16 First Year Semester 2 CS 123 Python Programming 4 CS 242 Computer Networks 4 EN 102 English Composition II 3 Program Elective 3/4 Humanities Elective 3 Second Year Semester 1 AC 101 Financial Accounting I 4 CS 213 Database Management 4 CS 213 Database Management 4 Program Elective 3/4 Program Elective 3/4 CS 116 Fundamentals of Cyber Security 4 Program Elective 3/4 Program Elective 3/4 CS 235 Information Systems Analysis and Design 4 Humanities Elective 3 Program Elective 3/4 Humanities Elective 3 CS 235 Credits: 3/4 Humanities Elective 3 Credits: 14/15 Total Credits: 62/65	COURSE	COURSE TITLE	CREDITS
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