Information Systems Technology & Management: Management Concentration

Associate in Science

DIVISION OF SCIENCE, TECHNOLOGY, ENGINEERING & MATHEMATICS

In the Information Systems Technology and Management program, students acquire the skills to solve information and management problems using computer hardware and software. Computer courses give students a solid background in Windows, database design, computer networks, web page design, and various software applications. Second year courses provide a strong emphasis on business and management related applications.

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 Associate in Science Degree in Information Systems Technology & Management is awarded.

PROGRAM FOOTNOTES

Humanities Electives:
Art, Communication, English (EN 103 or higher), ESL (ES 100 or higher; up to 6 credits), 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 123 Python Programming, CS 126 Digital Imaging, CS 176 Web Design, CS 241 Web Site Development, CS 243 Computer Networks II, MG 101 Principles of Management, MN 140 Project Management

Quantitative skills are 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.

This 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
First Year	*Semester 1*	
CS 113	Fundamentals of IT	4
CS 110	Introduction to Computer Science	4
CS 118	Scripting	3
CT 100	Critical Thinking	3
EN 101	English Composition I	3
	credits:	17
First Year	*Semester 2*	
CS 242	Computer Networks	4
CS 141	Linux System Management	3
EN 102	English Composition II	3
MA 105	Intro to Statistics	3
	Humanities Elective	3
	credits:	16
Second Year	*Semester 1*	
AC 101	Financial Accounting I	4
CS 213	Database Management Systems	4
CS 116	Fundamentals of Cybersecurity	4
CS 280	Computer Science Internship	1
	Program Elective	4
	credits:	17
Second Year	*Semester 2*	
CS 235	Information Systems Analysis and Design	4
EC 201	Principles of Macroeconomics	3
	Humanities Elective	3
	OR	
	Social Science Elective	3
	Program Elective	3/4
	credits:	13/14
	Total Credits:	**63/64**