


Computer Information Systems

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

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

Social Science Electives:

Anthropology, Economics, Geography, Government, History, LA 200 Media and the Law, LA230 Law and Society, Psychology, Sociology

Program Electives: CS 116 Fundamentals of Cyber Security, CS 126 Digital Imaging, CS 140 Interactive Multimedia, CS 176 Web Design, CS 230 Information Systems Administration and Management, MK 214 E-Commerce, MN140 Project Management

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
<i>First Year</i>	<i>Semester 1</i>	
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
<i>First Year</i>	<i>Semester 2</i>	
CS 120	Programming I	4
CS 160	Applications Software	4
EN 102	Freshman English II	3
MA 105	Intro to Statistics	3
	Humanities Elective	3
	credits:	17
<i>Second</i>	<i>Semester 1</i>	
AC 101	Financial Accounting I	4
CS 200	Programming II	4
CS 213	Database Management	4
CS 242	Computer Networks	4
	credits:	16
<i>Second</i>	<i>Semester 2</i>	
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