General Studies: Mathematics

Associate in Arts

DIVISION OF SCIENCE, TECHNOLOGY, ENGINEERING & MATHEMATICS

This program offers students a solid foundation in mathematics, while providing the opportunity to explore a variety of interests and choices from all divisions, including economics, science, nutrition and liberal arts. Students complete a course in career/life planning to help them assess their options and develop a degree plan to meet their individual needs.

Upon successful completion, the Associate in Arts Degree in General Studies with a concentration in Mathematics is awarded.

PROGRAM FOOTNOTES

History Sequence:
HS 101 Western Civilization I & HS 102 Western Civilization II, or HS 103 World Civilization I & HS 104 World Civilization II, or HS 105 United States History to 1877 & HS 106 United States History Since 1877

Laboratory Science Sequence:
BI 101 General Biology I & BI 102 General Biology II, or BI 110 Principles of Biology I & BI 120 Principles of Biology II, or BI 215 Anatomy and Physiology I & BI 217 Anatomy and Physiology II, or CH 101 College Chemistry I & CH 102 College Chemistry II, or CH 110 Principles of Chemistry I & CH 120 Principles of Chemistry II, or EV 103 Environmental Studies I & EV 104 Environmental Studies II, or PY 101 College Physics I & PY 102 College Physics II, or PY 103 Engineering Physics I & PY 104 Engineering Physics II, or SC 102 Integrated Science I & SC 103 Integrated Science II

Literature Sequence:
LI 201 World Literature I & L1 202 World Literature II
LI 203 American Literature I & L1204 American Literature II, or LI 205 British Literature I & L1 206 British Literature II

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 Elective:
Any college-level courses offered at the College.

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.

COURSE	COURSE TITLE	CREDITS
First Year	*Semester 1*	
CS 100	Computers and Technology	3
CT 100	Critical Thinking	3
EN 101	English Composition I	3
MA 104	Pre-Calculus Mathematics	4
	History Sequence	3
	credits:	16
First Year	*Semester 2*	
PS 150	Career/Life Planning	3
EN 102	English Composition II	3
MA 105	Intro to Statistics	3
MA 200	Calculus I	4
	History Sequence	3
	credits:	16
Second Year	*Semester 1*	
MA 201	Calculus II	4
	Laboratory Science Sequence	4
	Literature Sequence	3
	Program Elective	3
	Program Elective	3
	credits:	17
Second Year	*Semester 2*	
MA 202	Calculus III	4
	Laboratory Science Sequence	4
	Literature Sequence	3
	Humanities Elective	3
	Social Science Elective	3
	credits:	17
	Total Credits:	**66**

This program qualifies for MassTransfer with select public institutions in Massachusetts. Student should use course equivalencies for program electives. For more information, visit www.mass.edu/masstransfer.