

# Environmental Sciences & Safety

Associate in Science

## DIVISION OF SCIENCE, TECHNOLOGY, ENGINEERING & MATHEMATICS

This program focuses on environmental science issues such as air and water testing and analysis, industrial waste treatment, municipal wastewater treatment, and environmental law. In obtaining an understanding of the complex interrelationships that exist at the earth's surface, students learn how to interpret environmental stresses, such as ground and surface water contamination, pesticide, degradation, and solid waste disposal. Students also learn how to apply this knowledge to occupational safety and protection.

Upon successful completion, the Associate in Science Degree in [Environmental Sciences & Safety](#) 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

#### Math Electives:

100-Level Mathematics or Higher (not MAC)

#### Social Science Electives:

Anthropology, Economics, Geography, Government, History, Law, Psychology, Sociology

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.

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

COURSE	COURSE TITLE	CREDITS
<i>First Year Semester 1</i>		
BI 110	Principles of Biology I w/ Lab	4
CH 110	Principles of Chemistry I w/ Lab	4
EN 101	English Composition I	3
EV 110	Principles of Environmental Sciences & Safety	4
	Math Elective	3/4
		<b>credits:</b> 18/19
<i>First Year Semester 2</i>		
BI 120	Principles of Biology II w/ Lab	4
CH 120	Principles of Chemistry II w/ Lab	4
CS 100	Computers and Technology	3
EN 102	English Composition II	3
EV 201	Environmental Health & Safety	4
		<b>credits:</b> 18
<i>Second Year Semester 1</i>		
BI 223	Fundamentals of Microbiology w/ Lab	4
CT 100	Critical Thinking	3
EV 220	Environmental Organization Issues & Analysis	3
EV 240	Environmental Toxicology	4
	Humanities Elective or Social Science Elective	3
		<b>credits:</b> 17
<i>Second Year Semester 2</i>		
EV 242	Environmental Sciences Directed Research Study	4
	Humanities Elective	3
	Social Science Elective	3
		<b>credits:</b> 10
		<b>Total Credits:</b> 63/64