

## ENVIRONMENTAL SCIENCE

The Environmental Science program is intended to 1) meet the needs of students who are majoring in one of the diverse fields encompassed by environmental science, and 2) provide options for students fulfilling general education science requirements.

Awareness of the issues of environmental quality is increasingly important in business, industry, and government. The growing human population and increasing consumption of resources are creating unprecedented pressures on our planetary life support systems. For non-majors, the program's goal is to educate students to make better-informed choices about key environmental and health issues. Environmental science major need to complete an interdisciplinary set of core requirements that provide a basic understanding of the physical, biological, and social sciences and the relevance of these sciences to environmental processes and issues.

Students planning to transfer to a four-year institution and major in environmental science should consult with a counselor regarding the transfer process and institution-specific lower-division requirements. In upper division and graduate studies, students majoring in environmental science usually specialize in areas such as environmental toxicology, public health, environmental law, education, environmental economics, soil and water science, restoration ecology, environmental landscaping, environmental management and urban planning, and so on.

### ASSOCIATE OF SCIENCE DEGREE

An Associate of Science degree with a specialization in the Environmental Sciences can be earned by completing the following required courses in addition to fulfilling the breadth requirements for the associate degree (total = 60 semester units).

REQUIRED COURSES, OPTION A "ENVIRONMENTAL STUDIES":	UNITS
Choose one of the following:	
BIOL 104 Human Ecology	3
GEOG 106 Natural Resources and Conservation	(3)
And one of the following:	
CHEM 104 Introduction to Organic Chemistry and Biochemistry	4
CHEM 150 General Chemistry I	(5)
And all of the following:	
BIOL 100 General Biology	4
GEOG 110/111 Physical Geography + Lab	4
GEOL 100 Physical Geology	4
PHYS 101 Basic Physics	4
POLIT 100 American Politics	3
TOTAL REQUIRED UNITS (OPTION A):	26-27
SUGGESTED COURSES (OPTION A):	UNITS
ANTHRO 106 Physical Anthropology	3
or	
BIOL 109 History of Life	(4)
ARCH 100 Environmental Design I	
ARCH 101 Environmental Design II	
ECON 100 Introduction to Economics	3
or	
ECON 200 Introduction to Macroeconomics	(3)
GEOG 102 Cultural Geography	3
GEOG 114 Weather and Climate	4
GEOL 122 Environmental Geology	3
MATH 108 Introduction to Probability and Statistics	4

or	
ECON 208 Business and Economics Statistics	(4)
OCEAN 100 Introduction to Oceanography	4

REQUIRED COURSES, OPTION B "ENVIRONMENTAL SCIENCE": UNITS

Choose one of the following:	
BIOL 104 Human Ecology	3
GEOG 106 Natural Resources and Conservation	(3)

And one of the following:	
GEOG 110/111 Physical Geography + Lab	4
GEOL 100 Physical Geology	(4)

And all of the following:	
BIOL 201 Cell and Molecular Biology	4
BIOL 202 Organismal Biology and Ecology	4
CHEM 150 General Chemistry I	5
CHEM 151 General Chemistry II	5
MATH 250 Single Variable Calculus I	4
PHYS 101 Basic Physics	4
POLIT 100 American Politics	3
TOTAL UNITS (OPTION B):	36

SUGGESTED COURSES (OPTION B) UNITS

In addition to any of the recommended courses listed under Option A	
BIOL 240 General Botany	4
CHEM 212 Organic Chemistry I	4
CHEM 213 Organic Chemistry II	4

*Effective Date: FA06*

*Rationale: The Environmental Science program is intended to 1) meet the needs of students who are majoring in one of the diverse fields encompassed by environmental science, and 2) provide options for students fulfilling general education science requirements.*