

# ENVIRONMENTAL SCIENCE

*Associate of Science*

*Math, Natural and Health Science | 845-574-4203*

## Why Study Environmental Science?

Our planet faces an array of complex and challenging situations. The AS degree in Environmental Science is for students who want to study the issues and work towards developing better solutions. Environmental Science integrates fields within the biological and physical sciences, including biology, chemistry, and physics. Are you ready to put your interest in the environment to work and develop your knowledge of the sciences in order to address environmental issues?

## Occupational Objectives:

Positions in field or laboratory research, education, sustainability studies, environmental policy and law, natural resources management, land use planning, wildlife management, environmental consulting, and community outreach are some of the areas of employment.

## Program Goals:

- Provide students with a broad and rigorous science and math background in preparation for transfer to a four-year degree program.
- Provide an interdisciplinary academic education, enhance professional and personal development, encourage active citizenship and instill understanding for the complex and diverse social values and viewpoints in regard to environmental challenges.

## Rockland Community College and the Environment:

RCC is committed to fostering and adhering to positive environmental principles, with the support and participation of students, faculty and administration. Study at a Technology Center that was the first certified “green” building constructed in Rockland County, at a campus with an innovative campus-wide recycling program, an organic garden and certified wildlife habitat, and a formal plan to reduce its carbon footprint.

RCC students are encouraged to be active, involved global citizens. You can join an organic gardening club or the environmental club. Our students have raised awareness and funds to provide clean water to communities in need, designed creative recycling programs and participated in global conferences on ecology and sustainability, including the Clinton Global Initiative.



## 5 Top Reasons You Should Study Environmental Science at RCC

1. Help create a sustainable future. Do substantive work in a field that understands and respects the inter connectedness of the ecosystem.
2. Contribute to a field that seeks to resolve environmental pollution and the effect of human society on the natural environment.
3. Learn effective advocacy and best practices in preserving and managing our natural resources.
4. Small class sizes at RCC provide for more individual attention and greater opportunities for mentoring and interaction with faculty.
5. Get more hands-on experience with fieldwork outside in the natural world rather than the classroom. Fieldwork projects comprise a large part of RCC's Environmental Science program.



STATE UNIVERSITY OF NEW YORK

845-574-4000

[www.sunyrockland.edu](http://www.sunyrockland.edu)

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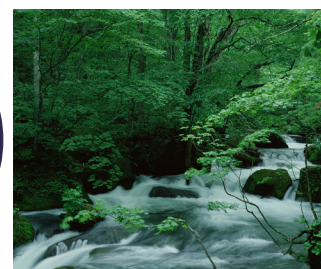
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## Student Learning Outcomes:

Upon successful completion of this program, students will:

- Practice fundamental concepts that characterize Environmental Science.
- Develop successful laboratory and field research skills.
- Demonstrate a variety of skills to share knowledge effectively including oral and written communication, planning, and implementation skills.
- Develop a variety of skills in core concepts, including critical thinking, reasoning skills as well as problem solving.
- Integrate elements of the biological, physical and social sciences in the solutions of environmental problems.
- Evaluate the interdisciplinary nature of core concepts in the sciences and other subject areas.



## AS Environmental Science \_\_\_\_\_ 70 Total Credits

### Recommended Course Sequence:

First Semester	Course	18 Credits
	ENG 101 English Composition I	3
	BIO 105 General Biology I	4
	CHM 101 Inorganic Chemistry I	4
	CSP 101 Computer Concepts and Application (or)	3
	CSP/SOC 105 Computers in Society	
	PDA 101 Pluralism and Diversity in America	3
	PED Physical Education Elective	1
<b>Second Semester</b>		<b>18 Credits</b>
	ENG 102 English Composition II	3
	Gen Ed Western Civilization Gen Ed Elective	3
	BIO 106 General Biology II	4
	CHM 102 Inorganic Chemistry II	4
	BIO 220 Marine Biology (or)	3
	SCI 104 Topics in Environmental Pollution	
	PED Physical Education Elective	1
<b>Third Semester</b>		<b>16 Credits</b>
	ENG 201 World Literature I (or)	3
	ENG 202 World Literature II	
	MAT 125 Statistics	4
	BIO 200 General Ecology	4
	CHM 201 Organic Chemistry I (or)	4
	PHY 101 General Physics I	
	PED Physical Education Elective	1
<b>Fourth Semester</b>		<b>18 Credits</b>
	SPE 101 Fundamentals of Speech	3
	MAT 203 Calculus I	4
	BIO 212 Environmental Science	4
	CHM 202 Organic Chemistry II (or)	4
	PHY 102 General Physics II	
	Humanities Elective	3

**Are you ready to put your interest in the environment to work and develop your knowledge of the sciences in order to address environmental issues?**

**If so, please call  
845 - 574 - 4203**

**and speak to an advisor in the  
Environmental Science program at  
Rockland Community College today!**