

# Applied Economics of Coastal and Ocean Environments (Blue Economy)

## Degree Type

Associate in Science

The “Blue Economy” degree will teach students economic and environmental theory with a focus on sustainable practices for businesses that depend on water and coastal resources. The interdisciplinary Applied Economics in Coastal and Ocean Environments degree will graduate students with the ability to work in the diverse fields of the blue economy on Cape Cod and the Islands including hospitality, entrepreneurship, aquaculture, technology, media/communications, and sustainability.

**Learn more about the program and apply at** [Associate in Science - Applied Economics of Coastal and Ocean Environments](#)

## Requirements

### First Semester

Item #	Title	Credits
ENL101	English Composition I	3
ECO101	Macroeconomics	3
	BIO109 or CHM106 or CHM109	4
ENV118	Introduction to Environmental Science	4
	Humanities & Fine Arts	3

### Second Semester

Item #	Title	Credits
ENL102	English Composition II	3
ECO102	Microeconomics	3
ENV121	Introduction to Earth Science	4
MAT150	Elementary Statistics	3

### Third Semester

Item #	Title	Credits
BUS100	Introduction to Business	3
ECO160	Environmental and Natural Resources Economics	3
ENV125	Coastal Ecology	3
	Concentration Elective for Applied Economics/Blue Economy	3-4
	Concentration Elective for Applied Economics/Blue Economy	3-4

### Fourth Semester

Item #	Title	Credits
ENV128	Fundamentals Of Oceanography	4
	ENV127 or SCI261 or ENV260	3-4
BUS214	Management	3
	Concentration Elective for Applied Economics/Blue Economy	3-4
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	<b>Total Credits</b>	<b>61-63</b>

## Career Outlook

These occupational profiles are provided by O\*NET.

- [Environmental Economists](#)
- [Environmental Engineering Technologists and Technicians](#)

### **Program Outcomes**

Upon successful completion of the Applied Economics of Coastal and Ocean Environments (Blue Economy) Program, students are able to:

- Apply business and economic theories to coastal and ocean environments.
- Recognize and analyze environmental issues as they relate to coastal- and ocean-related businesses.
- Apply scientific, technical, and communication skills and knowledge to coastal- and ocean-related businesses.
- Conduct environmental monitoring in the field and demonstrate the ability to analyze the data in a laboratory setting.
- Apply quantitative problem-solving techniques to evaluate economic and environmental decisions.
- Read, write, discuss and think critically about business, economic, and environmental topics.