

Kean-Ocean BS Environmental Science & Sustainability Certification – Suggested Guide (courses bold & highlighted are required)

ENVIRONMENTAL STUDIES - A.S. Degree Program - Effective Catalog Year 2023-2024 Program Code: AS.ES CIP Code: N/A

This program is designed to prepare students for careers in the dynamic field of environmental science, which is concerned with monitoring humanity's impact on the Earth and solving environmental problems. Students graduating from this program might work in environmental education centers, public relations firms, testing labs, environmental research organizations, travel/tourism (ecotourism companies), food manufacturers, waste management companies or government agencies. The program provides students with a strong background in the natural sciences.

FIRST SEMESTER		
ENGL 151	English I	3 cr.
MATH 165 or higher	College Algebra or higher *	5 cr.
BIOL 161	General Biology I	4 cr.
ENVI 152	Environmental Science	4 cr.
STSC 150	Student Success Seminar	2 cr.
		18 cr.
SECOND SEMESTER		
ENGL 152	English II	3 cr.
MATH 156	Introduction to Statistics	3 cr.
BIOL 162	General Biology II	4 cr.
CHEM 181	General Chemistry I	4 cr.
		14 cr.
THIRD SEMESTER		
CHEM 182	General Chemistry II	4 cr.
	Environmental Studies Program Elective (s) **	3 cr.
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GHUM	Any Humanities General Education Course	3 cr.
		14 cr.
FOURTH SEMESTER		
ENVI 241	Environmental Sustainability	3 cr.
GHUM	Any Humanities General Education Course	3 cr.
GSOC	Any Social Science General Education Course	3 cr.
GTEC	Any Technology General Education Courses. ***	3 cr.
PHYS 171	Physics I	4 cr.
		16 cr.

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Kean-Ocean will accept up to 83-credits in transfer to including the following (21-cr.):

- **MATH 191 Pre-Calculus I 3**
- **SOCI 232 Social Justice 3**
- **ENVI 232 Environmental Policy 3**
- **ENVI 121 Renewable Energy 3**
- **ENVI 134 Carbon Footprint Analysis 3**
- **ENVI 220 Life Cycle Analysis 3**
- **BUSN 273 Corporate Social Responsibility 3**

****Environmental Studies Program Electives**

- BIOL 101 The Pine Barrens 3
- BIOL 261 Ecology 4
- BIOL 265 Marine Biology 4
- ENVI 259 Field Experience/Practicum 3
- CHEM 283 Organic Chemistry I 4
- CHEM 284 Organic Chemistry II 4
- ENVI 142 Industrial Hygiene 4
- ENVI 159 Natural Resources Conservation 4
- ENVI 205 Hazardous Materials Management 3
- ENVI 210 Indoor Environmental Quality 3
- ENVI 217 Occupational Safety and Health 3

*** Students may attempt to “test out” of the technology requirement. If they succeed, they must take an additional course(s) in math or science from the List of Approved General

Board of Trustees Approval Date: May 29, 2007
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Board of Trustees Approval Date: December 6, 2010
Board of Trustees Approval Date: November 4, 2013
Board of Trustees Approval Date: April 28, 2014
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