

**KEAN UNIVERSITY - COLLEGE OF NATURAL & APPLIED HEALTH SCIENCES  
(70301) B.S. IN BIOLOGY: Environmental Biology Option 120 S.H.**

For students graduating from Ocean County College with the A.S. in Environmental Studies transferring to Kean University

**Minimum GPA required for declaration into major and graduation: 2.5**

Kean University Courses are in Blue (54 S.H.)

Ocean County College Courses are in Green (66 S.H.)

EFFECTIVE DATE: Fall 2019

See the Current Undergraduate Academic Catalog for Requirements to Graduate with Honors

| GENERAL EDUCATION: 32 S.H.<br>Foundation Requirements <sup>1</sup> : 13 S.H.                    |                                 | ACADEMIC MAJOR REQUIREMENTS <sup>***</sup> : 47-51 S.H.<br>MAJOR REQUIRED COURSES: 28-29 S.H.  |                                    |
|---|---------------------------------|--|------------------------------------|
| GE 3000 Transfer Transitions <sup>2</sup>   | 1                               | ENV 1000 Intro to Env Sciences   | ENV1 152 Environmental Science     |
| ENG 1030 College Composition <sup>3</sup>   | 3                               | ENV 2000 Evolution/Biodiversity  |                                    |
| **MATH 1054 Precalculus <sup>4</sup>  | 3                               | ENV 2100 Ecosystem Science   |                                    |
| COMM 1402 Speech Comm   | 3                               | ENV 3051 Field Bio: Terrestrial Syst OR ENV 4605 Methods in Marine Research  |                                    |
| GE 2024 Research & Technology   | 3                               | ENV 3100 Principles of Environmental Soil Science  |                                    |
| <b>DISCIPLINARY &amp; INTERDISCIPLINARY</b><br>Distribution Requirements <sup>1</sup> : 19 S.H. |                                 | ENV 3201 Biodiversity Assessment   |                                    |
|   |                                 | ENV 4210 Conservation Biology  |                                    |
|   |                                 | ENV 4961 Independent Study in SESS (1 credit) OR   |                                    |
|   |                                 | ENV 4962 Independent Study in SESS (2 credits)   | 1-2                                |
| Humanities: 6 S.H. (from different areas)   |                                 | <b>PROGRAM FOCUS-RELATED ELECTIVES 16-19 S.H.</b> To be selected with advisement from approved program list maintained in the SESS and in consultation with the Program Coordinator. At least 50% must be at the 3000-4000 level. Max of 12 S.H. of ENV courses count toward degree. |                                    |
| *ENG 2403 World Literature  | 3                               | <b>Major Elective Courses 16-19 S.H.</b>   |                                    |
| Take one "GE Approved" course from one area below:  |                                 | Optional: ES 3171-3173 Internship/ES 1996  | 1-3                                |
| Fine Arts/History   | GHUM-Humanities General Ed      | 1000-4000 elective   | Environmental Studies Elective     |
| Philosophy or Religion  |                                 | 1000-4000 elective   | Environmental Studies Elective     |
| Foreign Lang (Take I & II for credit)   |                                 | 1000-4000 elective   |                                    |
| Music or Theatre  |                                 | 3000-4000 elective   |                                    |
| Interdisciplinary   |                                 | 3000-4000 elective   |                                    |
| <b>Social Sciences 6 S.H. (from different areas)</b>  |                                 | <b>**Major Capstone Course<sup>***</sup>: 3 S.H.</b>   |                                    |
| *HIST 1062 Worlds of History  | 3                               | SUST 4300 Independent Practicum in Sustainability (WE)   | 3                                  |
| Take one "GE Approved" course from one area below:  |                                 | <b>FREE ELECTIVES: At least 50% must be 3000-4000 level. 5-9 S.H.</b>  |                                    |
| Psychology  | GSOC -Social Science General Ed | 1000-4000 elective   | STSC 150 + 1 credit from ENVI 152  |
| Economics or ES 1010-World Geog   |                                 | 3000-4000 elective   | 2 credits from MATH 165 (if taken) |
| Political Science   |                                 | 3000-4000 elective   |                                    |
| Sociology or Anthropology   |                                 | 3000-4000 elective   |                                    |
| Interdisciplinary   |                                 |  |                                    |
| <b>Science and Mathematics 7 S.H.</b>   |                                 | <b>Special Notes:</b>  |                                    |
| **MATH 1016 Statistics  | 3                               | <sup>1</sup> See prerequisites and equivalencies.  |                                    |
| ***CHEM 1083 Chemistry I  | 4                               | <sup>2</sup> University requirement for graduation for all undergraduate students that must be satisfied: Complete GE 3000 (transfers entering with 30 credits or more).   |                                    |
| <b>ADDITIONAL REQUIRED COURSE: 32 S.H.</b>  |                                 | <sup>3</sup> ENG 1030 requires a grade of C or higher.   |                                    |
| BIO 1300 Biology I  | 4                               | <sup>4</sup> Required by SESS; if prerequisite MATH is taken, it may be used as a free elective  |                                    |
| BIO 1400 Biology II   | 4                               | *GE Distribution Course required of all students.  |                                    |
| ***CHEM 1084 Chemistry II   | 4                               | ** Course required by major.   |                                    |
| ***CHEM 2180 Princ. of Organic Chem   | 4                               | ***All major courses require a grade of C or better.   |                                    |
| MATH 2415 Calculus <sup>3</sup>   | 4                               | ****Must earn a grade of C or better to advance to CHEM 1084.  |                                    |
| PHYS 2091 General Physics I   | 4                               |  |                                    |
| Take any <b>two (2)</b> of the below <b>four (4)</b> courses:                                   |                                 |  |                                    |
| BIO 2500 Principles of Botany   | 4                               |  |                                    |
| BIO 3400 Zoology: Form & Function   | 4                               |  |                                    |
| BIO 3709 Genetics   | 4                               |  |                                    |
| PHYS 2092 General Physics II - If this is chosen, must be taken in Union                        | 4                               |  |                                    |