

**KEAN UNIVERSITY - COLLEGE OF SCIENCE, MATHEMATICS AND TECHNOLOGY
(70301) B.S. IN BIOLOGY: Environmental Biology Option 120 S.H.**

For students graduating from Ocean County College with the A.S. General Studies - Science Concentration transferring to Kean University
Kean Declaration GPA 2.5, In the Major GPA 2.5, and Graduation GPA 2.5

Kean University Courses are in Blue (60 S.H.) Ocean County College Courses are in Green (60 S.H.)

EFFECTIVE DATE: Fall 2021

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

GENERAL EDUCATION Foundation Requirements: ¹			32 S.H. 13 S.H.	ACADEMIC MAJOR REQUIREMENTS ^{***} MAJOR REQUIRED COURSES:		56 S.H. 32-35 S.H.		
GE 3000 Transfer Transitions ²		1		ENV 1000 Intro to Env Sciences	ENVI 152 Environmental Science	3		
ENG 1030 College Composition ³	ENG 151 English I	3		ENV 2020 Evolutionary Biology		4		
**MATH 1054 Precalculus ⁴	MATH 191 Precalculus I	3		ENV 2100 Ecosystem Science		4		
COMM 1402 Speech Communication	MATH 192 Precalculus II	3		ENV 3051 Field Biology: Terrestrial Systems OR ENV 4605 Methods in Marine Research		4		
GE 2024 Research & Technology	ENGL 152 English 2	3		ENV 3100 Principles of Environmental Soil Science		4		
DISCIPLINARY & INTERDISCIPLINARY Distribution Requirements:			19 S.H.	ENV 3180 Environmental Organic Chemistry OR CHEM 2581+2581L Principles of Organic Chemistry ⁶		4		
Humanities 6 S.H. (from different areas)				ENV 3201 Biodiversity Assessment		4		
*ENG 2403 World Literature	Humanities or Social Sci Gen Ed	3		ENV 4210 Conservation Biology		4		
Take one "GE Approved" course from one area below:				ENV 4961,2,3,4 Independent Study in SESS (1-4 credits)		1-4		
Fine Arts/History	Humanities Gen Ed	3	PROGRAM FOCUS-RELATED ELECTIVES				12-16 S.H.	
Philosophy or Religion			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.					
Foreign Lang (Take I & II for credit)			Major Elective Courses					12-16 S.H.
Music or Theatre			Optional: ES 3171-3173 Internship					1-3
Interdisciplinary			1000-4000 elective					3
Social Sciences 6 S.H. (from different areas)				1000-4000 elective		3		
*HIST 1062 Worlds of History	Technology Gen Ed	3		3000-4000 elective		3		
Take one "GE Approved" course from one area below:				**Major Capstone Course^{***}		3 S.H.		
Psychology	Social Science Gen Ed	3	SUST 4300 Independent Practicum in Sustainability (WE)			3		
Economics or ES 1010-World Geog			FREE ELECTIVES: At least 50% must be 3000-4000 level.					5-9 S.H.
Political Science			1000-4000 elective		STSC 150 + 1 credit from ENVI 152			3
Sociology or Anthropology			1000-4000 elective		3 Additional Credits			3
Interdisciplinary			3000-4000 elective					3
Science and Mathematics			7 S.H.					
**MATH 1016 Statistics	MATH 156 Intro to Statistics	3						
****CHEM 1083 Chemistry I	CHEM 181 General Chemistry I	4						
ADDITIONAL REQUIRED COURSE			32 S.H.	Special Notes:				
BIO 1300 Biology I	BIOL 161 General Biology I	4	¹ See prerequisites and equivalencies.					
BIO 1400 Biology II	BIOL 162 General Biology II	4	² University requirement for graduation for all undergraduate students that must be satisfied: Complete GE 3000 (transfers entering with 30 credits or more).					
****CHEM 1084 Chemistry II	CHEM 182 General Chemistry II	4	³ ENG 1030 requires a grade of C or higher.					
ES 3011 Data Analysis for Env & Health		4	⁴ Required by SESS; prerequisite is MATH 1000 which may be used as a free elective by students needing to take MATH 1000 first.					
MATH 2415 Calculus ¹	MATH 265 Calculus I	4	*GE Distribution Course.					
PHYS 2091 General Physics I	PHYS 171 Physics 1	4	**Course required by major.					
Take any two (2) of the below four (4) courses			***All major courses require a grade of C or better.					
BIO 2500 Principles of Botany		4	****Must earn a grade of C or better to advance to CHEM 1084.					
BIO 3400 Zoology			⁵ Students pursuing health, research, or veterinary fields should take CHEM 2581+2581L followed by CHEM 2582+2582L (Organic Chemistry II would count as program electives).					
BIO 3709 Genetics								
PHYS 2092 General Physics II - If this is chosen, must be taken in Union								
PHYS 2092 General Physics II - If this is chosen, must be taken in Union		4						