



**KEAN UNIVERSITY – COLLEGE OF SCIENCE, MATHEMATICS AND TECHNOLOGY**  
**(76300) B.S. IN ENVIRONMENTAL SCIENCE: 120 SEMESTER HOURS (S.H.)**

Kean Declaration GPA 2.5, In the Major GPA 2.5, and Graduation GPA 2.5

**Kean University Courses are in Blue (34 S.H.) Ocean County College Courses are in Green (86 S.H.)**

Effective Date: Fall 2021

See the Current Academic Catalog for Requirements to Graduate with Honors

GENERAL EDUCATION			32 Semester Hours (S.H.)							
Foundation Requirements: <sup>1</sup>			13 S.H.							
GE 3000 Transfer Transitions <sup>2</sup>			1	BIO 1300 Introduction to Biology I <sup>4</sup>		BIOL 161 General Biology I	4			
ENG 1030 Composition <sup>3</sup>	ENGL 151 English I		3	BIO 1400 Introduction to Biology II		BIOL 162 General Biology II	4			
MATH 1054 Precalculus <sup>1,5,**</sup>	MATH 191 Precalculus I		3	CPS 1231 Funds of Comp Science		Technology Gen Ed or any*!	3-4			
COMM 1402 Speech Communication	MATH 165 or Any Unused Credits		3	SUST 1000 Intro to Sust Science		ENVI 241 Env Sustainability	3			
GE 2024 Research & Technology	ENGL 152 English II		3	SUST 2200 Intro to Laws and Sust		ENVI 232 Environmental Policy	3			
Disciplinary & Interdisciplinary Distribution Requirements: <sup>1</sup>			19 S.H.	Take any two (2) of the below three (3) courses						
Humanities			6 S.H. (from different areas)	CHEM 1084 Chemistry II		CHEM 182 General Chemistry II	4			
ENG 2403 World Literature*	Humanities Gen Ed		3	MATH 2415 Calculus I		PHYS 171 Physics I	4			
Take one "GE Approved" course from one area below:				PHYS 2091 General Physics I						
Fine Arts/History	Humanities Gen Ed	3	ACADEMIC MAJOR REQUIREMENTS					54 S.H.		
Foreign Language (Must take I & II)			Major Required Courses					40 S.H.		
Interdisciplinary			6							
Music or Theatre			ENV 1100 Found Env Science		ENVI 152 Env Science		4			
Philosophy or Religion			ENV 2100 Ecosystem ScOR BIO 3614 Principles of Ecology at KO <sup>7</sup>		4					
Social Sciences			6 S.H. (from different areas)	ENV 3051 OR ENV 4605 Field Methods Marine Research at KO <sup>7</sup>		4				
HIST 1062 Worlds of History	Environmental Studies Elective		3	ENV 3100 Principles of Environmental Soil Science		4				
Take one "GE Approved" course from one area below:				ES 1101 Intro Earth/ Geo Systems		ENVI 134 Carbon Footprint + 1cr	4			
Political Science	Social Science Gen Ed	3	ES 1300 Intro to Meteorology					4		
Economics or ES 1010 - World Geog			ES 2101 Geo-Hydro Systems					4		
Anthropology or Sociology			ES 2400 Intro to Oceanography					4		
Psychology			ES 3210 GIS for Env. and Health		ENVI 121 Renew Energy +1cr		4			
Interdisciplinary			ES 3011 Data Analysis for Environment and Health					4		
Science and Mathematics			7 S.H.	Major Elective Courses <sup>6</sup>					11 S.H.	
MATH 1016 Statistics**	MATH 156 Intro to Statistics		3	Optional: ES 3291-3293 Internship					1-2	
CHEM 1083 Chemistry I <sup>4,****</sup>	CHEM 181 General Chemistry I		4	Major Elective					Environmental Studies Elective	4
<b>Special Notes:</b> 1 See pre-requisites and equivalencies (on page 3) 2 University requirements for graduation for all undergraduate students that must be satisfied by completing GE 3000 (transfers entering with 30 credits or more) 3 ENG 1030 requires grade of C or higher 4 MATH 1054 is a co-and/or pre-requisite 5 A student with course placements records may substitute it with 3 additional credits of free electives instead of MATH 1054 to total 120 credits 6 Courses must be selected from the Approved Major Electives lis 7 Can take this course as a substitution for the other course listed as it is not offered at Kean Ocean. *GE Distribution course required of all students **Course required by major ***All major courses require a grade of C or better			Major Elective					ENVI 220: Life Cycle Analysis	3	
			Major Elective					BUSN 273 Corporate Social Responsibility	3	
			Major Capstone					3 S.H.		
			SUST 4300 Independent Practicum in Sustainability Sciences					3		
			FREE ELECTIVES					8 S.H.		
			At least 50% must be 3000/4000 level							
			1000-4000 Elective		STSC 150 Student Success Sem		2			
			1000-4000 Elective		2 Credits from MATH 165 (if taken)		2			
			1000-4000 Elective		Any remaining 1 cr.		1			
			3000-4000 Elective		SOCI 232 Social Justice		3			
****Must earn grade of C or better to advance to CHEM 1084										
*! If a student tests out of Technology Gen Ed Course, any remaining credits will apply.										