KEAN UNIVERSITY – COLLEGE OF SCIENCE, MATHEMATICS AND TECHNOLOGY

EAN For students graduating OCC with the A.S. in Environmental Studies and the Industrial Hygiene/ Hazardous Material Management Certificate

EAN

(76300) B.S. IN ENVIRONMENTAL SCIENCE: 120 SEMESTER HOURS (S.H.)

OCEAN

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

Kean University Courses are in Blue (36-39 S.H.) Ocean County College Courses are in Green (81-84 S.H.)

GENERAL EDUCATION			ACADEMIC MAJOR REQUIREM		54 S.H
Foundation Requirements: ¹		8 S.H.	Major Required Courses		10 S.H
G.E. 1000 Transition to Kean -or- GE		1	ENV 1100 Found Env Science	ENVI 152 Env Science	4
ENG 1030 Composition ³	ENGL 151 English I	3	ENV 2100 Ecosystem Science		4
MATH 1054 Precalculus ^{1,5,**}	MATH 191 Precalculus I	3	ENV 3051 Field Biology : Terrestr	ial Systems	4
COMM 1402 Speech Communication	MATH 165 or Any Unused Credits	3	ENV 3100 Principles of Environm	nental Soil Science	4
GE 2024 Research & Technology	ENGL 152 English II	3	ES 1101 Intro Earth/ Geo System	s ENVI 134 Carbon Footprint + 1cr	4
Disciplinary & Interdisciplinary Dist	ribution Requirements: ¹	9 S.H	ES 1300 Intro to Meteorology	· · · · · · · · · · · · · · · · · · ·	4
Humanities	6 S.H. (from different a				4
ENG 2403 World Literature*	Humanities Gen Ed	3	ES 2400 Intro to Oceanography		4
Take one "GE Approved" course from	m one area below:	•	ES 3210 GIS for Env. and Health	ENVI 142 Industrial Hygiene	4
ne Arts/History			ES 3011 Data Analysis for Enviro	onment and Health	4
	Humanities Gen Ed				11 S.I
Foreign Language (Must take I & II)					11 3.1
Interdisciplinary		3	Optional: ES 1996 Research Initiative for First-Year Students		1
Music or Theatre			Optional: ES 3291-3293 Internship		1-3
			Major Elective	Environmental Studies Elective	
Philosophy or Religion			Major Elective	ENVI 210 Indoor Enviro. Quality	
Social Sciences			Major Elective	ENVI 217 Occupational Safety and	
				Health	
HIST 1062 Worlds of History: Tradition	s Social Science Gen Ed				
and Encounters*		3	Major Capstone		3 S.H
Take one "GE Approved" course from	m one area below:				
Political Science		3	SUST 4300 Independent Practice	um in Sustainability Sciences	3
Economics or ES 1010 - World Geog			FREE ELECTIVES		8 S.I
	Social Science Gen Ed		At least 50% must be 3000/400		
Anthropology or Sociology			1000-4000 Elective	STSC 150 Student Success Sem	
Psychology			1000-4000 Elective	2 Credits from MATH 165 (if taken)	
Interdisciplinary			1000-4000 Elective	Any remaining 1 cr.	
Science and Mathematics		7 S.H.	3000-4000 Elective	ENVI 205 Hazardous Materials	
MATH 1016 Statistics**	MATH 156 Intro to Statistics	3			
CHEM 1083 Chemistry I ^{4,****}	CHEM 181 General Chemistry I	4			
Additional Requirements	2	6 S.H		•	
BIO 1300 Introduction to Biology I ⁴	BIOL 161 General Biology I	4			
BIO 1400 Introduction to Biology II	BIOL 162 General Biology II	4			
CPS 1231 Funds of Comp Science	Technology Gen Ed or any*!	4			
SUST 1000 Intro to Sust Science		3			
SUST 2200 Intro to Laws and Sust	ENVI 232 Environmental Policy	3			
Take any two (2) of the below three (,	<u> </u>			
• • • •			Dura sial Nata a Orationa da		
CHEM 1084 Chemistry II	CHEM 182 General Chemistry II	4	Special Notes Continued:	ing (ng ng ng 2)	
MATH 2415 Calculus I		4	¹ See prerequisites and equivalenc		muet
PHYS 2091 General Physics I	PHYS 171 Physics I	4	² University requirement for graduation for all undergraduate students that must l satisfied in one of two ways: Complete GE 1000 (all freshmen and transfers		
special Notes:		1 '		nplete GE 3000 (transfers entering with	
GE Distribution course required of all st	udents		credits or more)		
*Course required by Major		³ ENG 1030 requires grade of C or higher			
**All Major courses require a grade of C		⁴ MATH 1054 is a co-and /or prereq. *GE Distribution course required of all			
***Must earn a grade of C or better to a	dvance to CHEM 1084	students	students ⁵ A student with course placement records may substitute it with 3 additional cred		
			^o A student with course placement of free electives instead of MATH	records may substitute it with 3 addition	al cre
			In the electives instead of WATH	1004 IU IUIAI 120 CIEUIIS	

Revised 04/19/2024 By: Breanna Brown, Dr. Daniela Shebitz, Lincoln Simmons, & Eileen Schilling



B.S. IN ENVIRONMENTAL SCIENCE APPROVED MAJOR-RELATED ELECTIVES*

OCEAN

*Subject to change as new courses are approved and old courses are eliminated. Independent Research, Independent Study, and/or Special Topics courses not listed, but will be approved on an individual basis if appropriate. Any combination of 11 semester hours may be selected to fulfill graduation requirements; however, students are strongly encouraged to select courses only after consultation with and approval of their advisor. Failure to do so may result in a less than optimal program experience.

3	PS 1010: Introduction to Politics: Elements of Politics	3
4	PSY 1000: General Psychology	3
3	REC 1100: Introduction to the Recreation	3
3	CHEM 2581 and CHEM 2581L: Organic Chemistry Lecture and Laboratory I**	4
4	CHEM 2582L and 2582L: Organic Chemistry Lecture and Laboratory II***:	4
4	ENV 2020: Evolutionary Biology	3
3		4
	SUST 2008: Introduction to Composting	4
4	ES 3264: Invertebrate Paleontology	
3	ES 3265: Geomorphology	
1	ES 3360: Air Pollution	
4	HIST 3852: History of Science	
3	PHIL 3800: Environmental Philosophy	
4	PSY 3420: Environmental Psychology	3
4	REC 3810: Recreation and the Environment	3
4	SOC 3150: Urban Sociology	3
3	SOC 3420: Environment and society	3
4	SUST 3100: Renewable Energy	3
4	SUST 3200: Environmental Health and Safety for Sustainability	3
4	SUST 3300: LEED Lab and AP Credential Preparation	3
4	SUST 3400: Intro to Environmental Engineering	4
4	SUST 3600: Global Sustainability Development	
4	ENV 4601: Marine Conservation	
4	ENV 4602: Marine Resource Management	
3	ENV 4605: Field Methods in Marine Research	
1	ENV 4800: Environmental Toxicology and Human Health	
4	ES 4200: Remote Sensing	
4	GBUS 4320: Global Business and Technology	
4	SUST 4000 Technology for Sustainability	3
3	SUST 4110 Life Cycle Assessment	4
4	SUST 4300 LEED and AP Prep	4
	SUST 4500: Air and Solid Pollution Control	4
	* Courses need to be taken together for both lab and lecture sections	
	** Require CHEM1084 as a prerequisite course	
	*** Require CHEM2581 as a prerequisite course	<u> </u>
	4 3 3 4 3 4 3 4 3 4 3 4 3 4 3 4 3 4 3 4 4 4 4 4 4 4 4 4 4 4 4 4 4 4 4 3 1 4 3 1 4 3	4 PSY 1000: General Psychology 3 REC 1100: Introduction to the Recreation 3 CHEM 2581 and CHEM 2581L: Organic Chemistry Lecture and Laboratory II***: 4 CHEM 2582L and 2582L: Organic Chemistry Lecture and Laboratory II***: 4 ENV 2020: Evolutionary Biology 3 ENV 2500: Biomimicry SUST 2008: Introduction to Composting 4 ES 3264: Invertebrate Paleontology 3 ES 3265: Geomorphology 1 ES 3360: Air Pollution 4 HIST 3852: History of Science 3 PHIL 3800: Environmental Philosophy 4 SOC 3150: Urban Sociology 3 SOC 3420: Environmental Psychology 4 SUST 300: Renewable Energy 4 SUST 300: Renewable Energy 4 SUST 300: IcED Lab and AP Credential Preparation 4 SUST 300: Global Sustainability Development 4 SUST 300: Global Sustainability Development 4 ENV 4601: Marine Conservation 4 ENV 4601: Marine Resource Management 3 ENV 4601: Marine Resource Management 4 ENV 4602: Field Methods in Marine Research 1



GENERAL EDUCATION AND UNIVERSITY REQUIREMENTS

GENERAL EDUCATION INFORMATION AND REQUIREMENTS

Testing and Placement

Incoming freshmen and transfer students may be placed in specific GE Foundations, Developmental or ESL courses as a result of testing and/or multiple measures placement prior to registration. Students may be exempt from testing due to SAT/ACT scores or prior college work.

Prerequisites and Equivalencies for GE Foundations Courses

GE 1000/GE 3000 is a University Graduation Requirement GE 1000

Required of all freshmen & transfers entering with 0-29 credits Prerequisite: None Equivalent: ID 1001

GE 3000

Required of transfers entering with 30 credits or more Prerequisite: 30 credits and ENG 1030

ENG 1030

Prerequisite: Placement testing or exemption from placement testing ENG 1025 if required by placement testing Equivalent: ENG 1031/1032, ENG 1033/1034, ENG 1430 (ESL version), ENG 1620 (Honors version), ENG 1020, ENG 1400

MATH 1000 or MATH 1044* Prerequisite: MATH 0901 if required by placement testing *MATH 1044 is available as a Foundation option for CBPM students only

Equivalent: MATH 1000: MATH 1001/1002, MATH 1003/1004, MATH 1051

MATH 1010 or 1016 or 1030

Prerequisite: MATH 0901 if required by placement testing Co-requisite: Math 0902 (only required, with advisement, based on placement test score and intended major)

MATH 1054

Prerequisite MATH 0901 if required by placement testing and MATH 1000

COMM 1402

Prerequisite CS 0412 if required by placement testing ENG 1025 if required by placement testing May be taken concurrently with ENG 1030 Equivalent COMM 1400

GE 2021-2026 Research and Technology is offered as college-based course

GE 2021 College of BPM GE 2022 College of EDU GE 2023 All College of CLA GE 2024 College of NAHS & NJCSTM & NWGC (Speech Language and Hearing Science majors) GE 2025 SFPA & Michael Graves College GE 2026 Undecided Majors and other special populations Prerequisite CS 0412 if required by placement testing; ENG 1030 or equivalent course Equivalent: GE 2020

GE Distribution Courses Approved GE Distribution Courses

All courses taken under the General Education Disciplinary/Interdisciplinary Distribution requirements must be selected from the Approved General Education Distribution Course List. These courses are designated as GEHU, GESS, and GESM. GEHU Humanities GESS Social Sciences GESM Science and Mathematics

Required GE Distribution Courses

ENG 2403 is a required Humanities Distribution course with an emphasis on diversity. Prerequisite: CS 0412 if required by placement testing; ENG 1030 or equivalent Equivalent: ENG*2203

HIST 1062 is a required Social Sciences Distribution course. Prerequisite: None

Foreign Language Credit

The three credits for a foreign language that may satisfy the GE Disciplinary/Interdisciplinary Distribution Requirement are awarded only upon successful completion of the second of two semesters of study at the introductory or intermediate level. Credit for the first semester may be used as elective credit.

UNIVERSITY REQUIREMENTS

GE 1000/3000 Requirement

All undergraduate students must satisfy this University requirement for graduation by successfully completing one of the following courses at Kean University: GE 1000 Transition to Kean (all freshmen and transfers entering with 0-29 credits) or GE 3000 Transfer Transitions (transfers entering with 30 credits or more).

Writing-Emphasis Requirement

All students are required to complete one "Writing- Emphasis" course. The "W-E" course must be within the major portion of your program. Consult your major program advisor for specific information.

Note: Equivalent courses may be prior General Education or prerequisite coursework taken by students that is now discontinued