

KEAN UNIVERSITY – COLLEGE OF NATURAL, APPLIED & HEALTH SCIENCES
(76205) B.S. IN Earth Science (Option: ENVIRONMENTAL SCIENCE)
120 S.H.

2.50 G.P.A. Graduation Requirement

EFFECTIVE DATE: Fall 2018

START TERM:

NAME:		TRANSFER INSTITUTIONS (X) Credits:	
STUDENT ID#:		In Progress	
GENERAL EDUCATION: 35 Semester Hours (S.H.)		ACADEMIC MAJOR REQUIREMENTS: 35 S.H.***	
Foundation Requirements 13 S.H.		ENV 1000 Introduction to Environmental Science	3
G.E. 1000 Transition to Kean or G.E. 3000 Transfer Transitions*	1	ENV 2100 Ecosystem Science	4
ENG 1030 College Composition* †	3	ENV 3051 Field Biology: Terrestrial Systems	4
MATH 1054 Precalculus**	3	ES 1101 Introduction to Earth and Geog. Syst.	4
COMM 1402 Speech Communication*	3	ES 1300 Meteorology	4
GE 2024 Research & Technology*	3	ES 2101 Geo-Hydro System	4
		ES 2200 Methods in Geoscience	4
Disciplinary & Interdisciplinary Distribution Requirements		ES 2400 Introduction to Oceanography	4
Humanities: 6 S.H. (from different areas)		ES 3200 GIS in Geoscience	4
ENG 2403 World Literature*	3		
Select one course with advisement from areas below:			
Fine Arts/Art History			
Foreign Languages (Must take I and II for credit)	3		
Interdisciplinary	3		
Music or Theatre	3		
Philosophy or Religion	3		
Social Sciences: 6 S.H. (from different areas)			
HIST 1062 Worlds of History *	3		
Select one course with advisement from areas below:			
Economics or Geography	3		
Interdisciplinary	3		
Political Science	3		
Psychology	3		
Sociology or Anthropology	3	Recommended: ES 4980 Environmental Internship	3
Science and Mathematics: 7 S.H.			
MATH 1016 Statistics**	3		
CHEM 1083 Chemistry I ****	4		
G.E. and Major Capstone: 3 S.H.**, ***		FREE ELECTIVES: 8 S.H.	
SUST 4300 Independent Practicum in Sustainability Science	3		
ADDITIONAL REQUIREMENTS: 27 S.H.			
BIO 1300 General Biology I	4		
BIO 1400 General Biology II	4		
CPS 1231 Fundamentals of Computer Science	4	Other Transfer:	
CHEM 1084 Chemistry II	4	Special Notes:	
SUST 1000 Introduction to Sustainability Science	3	*G.E. required course: University Requirement for Graduation for all undergraduate students that must be satisfied in one of two ways: Complete GE 1000 (all freshmen and transfers entering with 0-29 credits) OR complete GE 3000 (transfers entering with 30 credits or more)	
MATH 2415 Calculus I	4	**Required by SESS; pre-req is MATH 1000 which may be used as a free elective by students needing to take MATH 1000 first	
PHYS 2091 General Physics I	4	***All Major courses require a grade of C or better	
		****Must earn a grade of C or better to advance to CHEM 1084	
		†Students may be required to take ENG 1025 Introduction to Composition as a prerequisite	
		TOTAL CREDITS:	
		Advisor:	
		Advisor Signature:	

Freshman Year			
Fall Semester Yr – 1		Spring Semester Yr – 1	
GE 1000 or 3000: Transition to Kean	1	ENG 2403: World Literature	3
ENG 1030: Composition	3	HIST 1062: Worlds of History	3
ENV 1000: Intro to Env Sci	3	SUST 1000: Intro to Sust Sci	3
MATH 1054: Precalculus	3	COMM 1402: Speech Communication	3
ES 1300: Intro to Meteorology	4	BIO 1300: General Bio I	4
Total Credits	14	Total Credits	16
Sophomore Year			
Fall Semester Yr – 2		Spring Semester Yr – 2	
CPS 1231: Fund of Comp Sci	3	CHEM 1084: Chem II	4
MATH 2411: Calculus I	4	GE: Humanities Requirement	3
BIO 1400: General Bio II	4	GE 2024: Research & Technology	3
CHEM 1083: Chem I	4	GE: Social Science Requirement	3
		MATH 1016: Statistics	3
Total Credits	16	Total Credits	16
Junior Year			
Fall Semester Yr – 3		Spring Semester Yr – 3	
ES 1100: Intro to Earth and Geog.	4	ES 2101: GeoHydro System	4
ES 2200: Methods in Geoscience	4	ES 3200: GIS	4
PHYS 2091: General Phys I	4	ENV 2101: Ecosystem Sci	4
ES 2400: Oceanography	4	Major related Elective	4
Total Credits	16	Total Credits	16
Senior Year			
Fall Semester Yr – 4		Spring Semester Yr – 4	
ENV 3051: Field Bio	4	SUST 4300 Independent Practicum	3
Free Elective	4	Major related Elective	4
Free Elective	4	Major related Elective	4
		Major related Elective	3
Total Credits	12	Total Credits	14