

KEAN UNIVERSITY – COLLEGE OF NATURAL, APPLIED & HEALTH SCIENCES
(76204) B.S. IN Earth Science (Option: Geo 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: 39 S.H.***	
Foundation Requirements¹ 13 S.H.		ENV 1000 Introduction to Environmental Science	3
G.E. 1000 Transition to Kean or G.E. 3000 Transfer Transitions ²	1	ENV 3100 Principles of Env Soil Science	4
ENG 1030 College Composition****†	3	ES 1101 Intro to Earth and Geog Systems	4
MATH 1054 Precalculus** ³	3	ES 1200 Introduction to Geology	4
COMM 1402 Speech Communication*	3	ES 1300 Meteorology	4
GE 2024 Research & Technology*	3	ES 2101 Geo-hydro Systems	4
		ES 2400 Intro to Oceanography	4
		ES 3010 Data Analysis and Modeling in Geoscience	4
Disciplinary & Interdisciplinary Distribution Requirements		ES 3200 GIS in Geoscience	4
Humanities: 6 S.H. (from different areas)		ES 4200 Remote Sensing	4
ENG 2403 World Literature*	3		
Select one course with advisement from areas below:			
Fine Arts/Art History	3	PROGRAM FOCUS-RELATED ELECTIVES 12 S.H. To be selected with advisement from approved program list maintained in the School of Environmental and Sustainability Sciences and in consultation with the Program Coordinator with at least half of the credits at the 3000-4000 level If the course is taken as a Major Elective, it cannot be counted as a General Education course.	
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 * ²	3		
Select one course with advisement from areas below:			
Economics or Geography	3	Recommended: ES 4980 Environmental Internship	3
Interdisciplinary	3		
Political Science	3		
Psychology	3		
Sociology or Anthropology	3		
Science and Mathematics: 7 S.H.		FREE ELECTIVES: 8 S.H.	
BIO 1000 Principles of Biology	4		
MATH 1016 Statistics	3		
G.E. and Major Capstone: 3 S.H.**,*			
SUST 4300 Independent Practicum in Sustainability Science	3		
ADDITIONAL REQUIREMENTS: 26 S.H.			
CHEM 1083 Chemistry I	4		
CHEM 1084 Chemistry II	4		
CHEM 2180 Principles of Organic Chemistry	4		
MATH 2415 Calculus I	4		
PHYS 2091 General Physics I	4		
SUST 1000 Introduction to Sustainability Science	3		
SUST 3110 Renewable Energy	3		
*G.E. required course			
**Course required by Major			
***Must earn a grade of C or better			
¹ See prerequisites and equivalencies. ² 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) ³ A student whose qualifying score on the placement test makes them eligible to take either MATH 1054 or MATH 2411 may start with that course instead. In that case, the student may take 3 additional credits of free electives instead of MATH 1054 to total 120 credits †Students may be required to take ENG 1025 Introduction to Composition as a prerequisite		Other Transfer:	
		TOTAL CREDITS:	
		Advisor:	
		Advisor Signature:	