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* ǂ	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	**PROGRAM FOCUS-RELATED ELECTIVES 15 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 and advisors toward their degree.**	
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:		Students will be advised to take appropriate courses that match their career interests and preparation. These courses will be pulled from BIO, CHEM, ES, ENV, SUST as well as related programs at KU	
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		
PHYS 2091 General Physics I	4		
		TOTAL CREDITS:	
		Advisor:	
		Advisor Signature:	

**Required by SESS; pre-req is MATH 1000 which may be used as a free elective by students needing to take MATH 1000 first
***All Major courses require a grade of C or better
****Must earn a grade of C or better to advance to CHEM 1084
ǂStudents may be required to take ENG 1025 Introduction to Composition as a prerequisite

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