

KEAN UNIVERSITY – COLLEGE OF NATURAL, APPLIED & HEALTH SCIENCES
 (76204) B.S. IN Earth Science (Option: GEOSCIENCE) Four Year Plan, Effective Fall 2018
 120 S.H.
 2.50 G.P.A. Graduation Requirement

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	MATH 1016: Statistics	3
MATH 1054: Precalculus	3	GE: Humanities Requirement	3
COMM 1402: Speech Communication	3	GE: Social Science Requirement	3
SUST 1000: Intro to Sust Sci	3		
<i>Total Credits</i>	16	<i>Total Credits</i>	15
Sophomore Year			
Fall Semester Yr – 2		Spring Semester Yr – 2	
ES 1100: Intro to Earth and Geog. Systems	4	CHEM 1084: Chem II	4
ES 1200: Intro to Geology	4	MATH 2415: Calculus I	4
BIO 1000: Principles of Biologoy	4	GE 2024: Research & Technology	3
CHEM 1083: Chem I	4	ES 1300: Intro to Meteorology	4
<i>Total Credits</i>	16	<i>Total Credits</i>	15
Junior Year			
Fall Semester Yr – 3		Spring Semester Yr – 3	
PHYS 2091: Physics I	4	ES 2101: GeoHydro System	4
ES 2400: Oceanography	4	ES 3200: GIS	4
CHEM 2180: Principles of Organic Chem	4	SUST 3110: Renewable Energy	3
Major related elective	4	Major related Elective	4
<i>Total Credits</i>	16	<i>Total Credits</i>	15
Senior Year			
Fall Semester Yr – 4		Spring Semester Yr – 4	
ES 3100: Data Analysis and Modeling	4	SUST 4300 Independent Practicum	3
ES 4200: Remote Sensing	4	ENV 3100: Principle of Soil Science	4
Major related Elective	4	Free Elective	4
		Free Elective	4
<i>Total Credits</i>	12	<i>Total Credits</i>	15