

Kean University
Undergraduate Degree Study Program
Academic Plan
B.S. in Earth Science – ENVIRONMENTAL SCIENCE OPTION – 120 C.R.

Freshman Year			
Fall Semester Yr – 1		Spring Semester Yr – 1	
GE 1000: Transition to Kean	1	SUST 1000: Intro to Sust Sci	3
ENG 1300: College Composition for Nonnative Speakers*	6	ENG 1430: College Composition for Nonnative Speakers*	6
ENV 1000: Intro to Environ Sci	3	CHEM 1083: Chem I	4
ESL 0303: English as Second Lang.**	3	MATH 2415 Calculus I	4
ESL 0305: English as Second Lang.**	3		
Total Credits	16	Total Credits	17
Winter Yr – 1			
Chinese 301003**	2	Chinese 301004**	2
Summer Yr – 1			
ESL 0403: English as Second Lang.**	3	ESL 0405: English as Second Lang.**	3
Sophomore Year			
Fall Semester Yr – 2		Spring Semester Yr – 2	
BIO 1300: General Bio I	4	BIO 1400: General Bio II	4
MATH 2416: Calculus II	4	CPS 1231: Fundamentals to Comp Sci	4
PHYS 2091: Physics I	4	GE 2024: Research & Technology	3
CHEM 1084: Chem II	4	MATH 1016: Statistics	3
		COMM 1402: Speech Communication	3
Total Credits	16	Total Credits	17
Summer YR – 2			
Chinese 301001**	2	Chinese 301002**	2
Chinese Art**	2		
Junior Year			
Fall Semester Yr – 3		Spring Semester Yr – 3	
ES 1300: Meteorology	4	ES 2101: GeoHydro System	4
ES 1101: Intro to Earth Geog. Syst.	4	ENV 2100: Ecosystem Sci	4
ES 2400: Oceanography	4	Major related Elective	4
HIST 1062: History	3	GE: Humanities	3
Total Credits	15	Total Credits	15

Senior Year			
Fall Semester Yr – 4		Spring Semester Yr – 4	
ENV 3051: Field Biology	4	SUST 4300: Independent Practicum	3
ENG 2403: World Literature	3	ES 3200: GIS	4
ES 3010: Data Analysis and Modeling in Geoscience	4	Major related Elective	4
Major related Elective	3	Major related Elective	3
GE: Social Science	3		
Total Credits	17	Total Credits	14

*At Dean's discretion, 3 credits of ENG 1300 substitute 3 credits of ENG 1030

*At Dean's discretion, 6 credits of ENG 1430 and 3 credits of ENG 1300 can be applied as Free and Major Electives.

**Do not count toward degree credit loads