

Kean University
Undergraduate Degree Study Program
Academic Plan

BS IN EARTH SCIENCE (ENVIRONMENTAL SCIENCE OPTION) – 125 CR.

Freshman Year

Fall Semester Yr-1	Spring Semester Yr-1
GE 1000 Transition to Kean 1	COMM 1402 Speech Communication 3
ENG 1030 Composition 3	SUST 1000 Intro to Sust Sci 3
EVN 1000 Intro Environ Sci 3	ENG 2403 World Literature 3
MATH 1054 Precalculus 3	BIO 1300 General BIO I 4
GEOS 1100 Intro Earth Geo Sys 4	HIST 1000 Civil Society in America 3 or HIST 1062 Worlds of History
Total Units: 14	Total Units: 16

Sophomore Year

Fall Semester Yr-2	Spring Semester Yr-2
GEOS 2101 Geo-hydro Sys 4	CHEM 1084 Chemistry I 4
CPS 1231 Fund of Computer Science 4	GE: Humanities 3
BIO 1400 General Bio II 4	GE: Social Science 3
MATH 2415 Calculus I 4	GE 2024 Research and Tech 3
	MATH 1016: Stats 3
Total Units: 16	Total Units: 16

Junior Year

Fall Semester Yr-3	Spring Semester Yr-3
ES 2200 Methods in Geoscience 4	PHYS 2092 Physics II 4
CHEM 1083 Chemistry II 4	OCEN 2400 Oceanography 4
PHYS 2091 Physics I 4	ENV 3050 or 3051 Field Biology 4
ATMS 3101 Atmo Systems 4	ES 3200 GIS in Geoscience 4
Total Units: 16	Total Units: 16

Senior Year

Fall Semester Yr-4	Spring Semester Yr-4
BIO 3614 Ecology 4	ES 4981 Environmental Issues Seminar 3
Major/Related Elective 4	Major/Related Elective 4
Major/Related Elective 4	Free elective 3
Major/Related Elective 4	Free elective 3
	Free elective 3
Total Units: 16	Total Units: 16