

Kean University  
Undergraduate Degree Study Program  
Academic Plan  
B.S. in ENVIRONMENTAL SCIENCE – 122 C.R.

<b>Freshman Year</b>			
<b>Fall Semester Yr – 1</b>		<b>Spring Semester Yr – 1</b>	
GE 1000: Transition to Kean	1	SUST 1000: Intro to Sust Sci	3
ENG 1300: College Composition for Nonnative Speakers <sup>1</sup>	6	ENG 1430: College Composition for Nonnative Speakers <sup>1</sup>	6
ENV 1100 Foundations of Env Sci	4	CHEM 1083: Chem I	4
ESL 0303: English as Second Lang.	3	MATH 2415 Calculus I OR PHYS 2091	4
ESL 0305: English as Second Lang.	3		
Total Credits	17	Total Credits	17
<b>Summer Yr – 1</b>			
ESL 0403: English as Second Lang.	3	ESL 0405: English as Second Lang.	3
<b>Sophomore Year</b>			
<b>Fall Semester Yr – 2</b>		<b>Spring Semester Yr – 2</b>	
BIO 1300: General Bio I	4	BIO 1400: General Bio II	4
ENG 2403 World Literature	3	CHEM 2581 and 2581L (Major Elec.) <sup>2</sup>	4
CHEM 1084: Chem II	4	GE 2024: Research & Technology	3
ES 1300 Intro to Meteorology	4	MATH 1016: Statistics	3
COMM 1402: Speech Communication	3	ES 2101: GeoHydro System	4
Total Credits	18	Total Credits	18
<b>Junior Year</b>			
<b>Fall Semester Yr – 3</b>		<b>Spring Semester Yr – 3</b>	
HIST 1062: History	3	ENV 3100 Principles of Envl Soil Science	4
ES 1101: Intro to Earth Geog. Syst.	4	ENV 2100: Ecosystem Sci	4
ES 2400: Intro to Oceanography	4	CPS 1231: Fundamentals to Comp Sci	4
CHEM 2582 and 2582L (Major Elec.) <sup>3</sup>	4	GE: Humanities	3
Total Credits	15	Total Credits	15
<b>Senior Year</b>			
<b>Fall Semester Yr – 4</b>		<b>Spring Semester Yr – 4</b>	
ENV 3051: Field Biology: Terrestrial system	4	SUST 4300: Independent Practicum	3

ES 3011: Data Analysis for Environment and Health	4	ES 3210: GIS for Environment and Health	4
GE: Social Science	3	Free elective (3000-4000 level)	4
SUST 3110 Renewable energy (Replace SUST 2200 Law)	3		
BCHM 4115 (Major Elec) <sup>4</sup>	3		
Total Credits	17	Total Credits	11

<sup>1</sup>At Dean's discretion, 3 credits of ENG 1300 to replace MATH 1054, 3 credits of ENG 1430 to replace ENG 1030. 4 credits can be applied as Low Level Free Electives.

<sup>2</sup>Require CHEM1084 as a pre-requisite course

<sup>3</sup>Require CHEM 2581 as a pre-requisite course

<sup>4</sup>Require CHEM 2582 as a pre-requisite course

In order to graduate, the student also needs to meet all the Chinese curriculum requirements.