KEAN UNIVERSITY – COLLEGE OF NATURAL APPLIED AND HEALTH SCIENCES
(76107) B.A. IN EARTH SCIENCE (General Option) 120 S.H.

Minimum GPA Required for Declaration: **2.0**
Minimum GPA Required for Major: **2.0**
Overall Minimum GPA Required for Graduation: **2.0**

EFFECTIVE DATE: Fall 2022

GENERAL EDUCATION 42 Semester Hours (S.H.)		**ACADEMIC MAJOR*** 30-31 S.H. (Total)**	
Foundation Requirements:[1] 13 S.H.		**Major Required Courses:** 16 S.H.	
GE 1000 Transition to Kean[2] –or– GE 3000 Transfer Transitions[2]	1	ES 1100 Introduction to Astronomy	4
ENG 1030 Composition[3]	3	ES 1200 Introduction to Geology	4
MATH 1000 Algebra for College Students	3	ES 1300 Introduction to Meteorology	4
COMM 1402 Speech Communication	3	ES 2400 Introduction to Oceanography	4
GE 2024 Research & Technology	3		
		:	
Disciplinary & Interdisciplinary Distribution Requirements:[1] 29 S.H.		**Major Elective Courses 3 Courses from ES, ENV or SUST** 11-12 S.H.	
Humanities 9 S.H. (from different areas)		3000-4000 Level	3 or 4
*ENG 2403 World Literature	3	3000-4000 Level	4
Take two "GE Approved" courses from two areas below:		3000-4000 Level	4
Fine Arts/Art History	3		
Philosophy or Religion	3	****Major Capstone Course***:** 3 S.H.	
Foreign Languages (Must take I and II for credit)	3		
Music or Theatre	3	ES 4981 Environmental Issue Seminar (WE)[4]	3
Interdisciplinary	3		
		FREE ELECTIVES 32-33.H.	
		at least 50% must be 3000/4000 level	
Social Sciences 9 S.H. (from different areas)		Optional: ES 1996 Freshman Research Experience[5]	1-2
*HIST 1062 Worlds of History	3	Optional: ES 3171- ES 3173 Internship	1-6
Take two "GE Approved" courses from two areas below:			
Psychology	3		
Economics or ES 1010-World Geography	3		
Political Science	3		
Sociology or Anthropology	3		
Interdisciplinary	3		
Science and Mathematics 11 S.H.		**Special Notes:**	
MATH 1054 Pre-Calculus	3	[1]See pre-requisites and equivalencies (on page 2)	
CHEM 1083 Chemistry I****	4	[2]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)	
PHYS 2091 General Physics I	4	[3]ENG 1030 requires grade of C or higher	
		[4] Writing Intensive	
		[5] Internship (ES 1996)may be taken up to 2 times to a max of 2 credits.	
ADDITIONAL REQUIRED COURSES 15 S.H.		*GE Distribution course required of all students	
BIO 1000 Principles of Biology	4	** Course required by Major	
CHEM 1084 Chemistry II **OR** PHYS 2092 General Physics II **OR** MATH 2415 Calculus I	4	***All Major courses require a grade of C or better	
ENV 1100 Foundations of Environmental Science	4	**** Must earn a C or better to advance to CHEM 1084	
SUST 1000 Introduction to Sustainability Science	3		

PROGRAM REVISION DATE 8/14/19

GENERAL EDUCATION AND UNIVERSITY REQUIREMENTS

GENERAL EDUCATION INFORMATION AND REQUIREMENTS

Testing and Placement
Incoming freshmen and transfer students may be placed in specific GE Foundations, Developmental or ESL courses as a result of testing prior to registration. Students may be exempt from testing due to SAT scores or prior college work.

Prerequisites and Equivalencies for GE Foundations Courses

GE 1000
Required of all freshmen & transfers entering with 0-29 credits
Prereq: None
Equiv: ID 1001

GE 3000
Required of transfers entering with 30 credits or more
Prereq: 30 credits and ENG 1030

ENG 1030
Prereq: Placement testing or exemption from placement testing
Equiv: ENG 1031/1032, ENG 1033/1034, ENG 1430, ENG 1620, ENG 1020, ENG 1400

MATH 1000 or 1010 or 1016 or 1030
Prereq: MATH 0901 if required by placement testing
Equiv of MATH 1000: MATH 1001/1002, MATH 1003/1004, MATH 1051

MATH 1044* or 1054
Prereq: MATH 0901 if required by placement testing and MATH 1000
***MATH 1044 is available as a Foundation option for CBPM students only**

COMM 1402
Prereq: CS 0412 if required by placement testing
ENG 1031/1032 or ENG 1033/1034 if required by placement testing
May be taken concurrently with ENG 1030
Equiv: COMM 1400

GE 2021- 2026 *Research and Technology* is offered as college-based course
GE 2021 College of BPM
GE 2022 College of EDU
GE 2023 College of CLA
GE 2024 College of NAHS & NJCSTM & NWGC
GE 2025 SFPA & Michael Graves College
GE 2026 Undecided Majors and other special populations
Prereqs: CS 0412 if required by placement testing
ENG 1030 or equivalent COMM 1402

GE Distribution Courses

Approved GE Distribution Courses

All courses taken under the General Education Disciplinary/Interdisciplinary Distribution requirements must be selected from the Approved General Education Distribution Course List.
These courses are designated as GEHU, GESS, and GESM.
GEHU Humanities
GESS Social Sciences
GESM Science and Mathematics

Required GE Distribution Courses

ENG 2403 is a required Humanities Distribution course with an emphasis on diversity.
Prereq: CS 0412 if required by placement testing; ENG 1030 or equivalent
Equiv: ENG*2203

HIST 1062 is a required Social Sciences Distribution course.
Prereq: None

Foreign Language Credit

The three credits for a foreign language that may satisfy the GE Disciplinary/Interdisciplinary Distribution Requirement are awarded only upon successful completion of the second of two semesters of study at the introductory or intermediate level.
Credit for the first semester may be used as elective credit.

UNIVERSITY REQUIREMENTS

GE 1000/3000 Requirement

All undergraduate students must satisfy this University requirement for graduation by successfully completing one of the following courses at Kean University: GE 1000 Transition to Kean (all freshmen and transfers entering with 0-29 credits) or GE 3000 Transfer Transitions (transfers entering with 30 credits or more).

Writing-Emphasis Requirement

All students are required to complete one "Writing- Emphasis" course. The "W-E" course must be within the major portion of your program. Consult your major program advisor for specific information.