

**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**

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