KEAN UNIVERSITY – COLLEGE OF NATURAL APPLIED & HEALTH SCIENCES

(76197) B.A. IN EARTH SCIENCE Teacher Certification P-12 120 S.H.

Minimum GPA Required for Declaration: 3.0
Minimum GPA required for Major 3.0
Overall Minimum GPA Required for Graduation 3.0

Effective Fall 2019

GENERAL EDUCATION 42 Semester Hours (S.H.)	
Foundation Requirements:[1] 13 S.H.	
GE 1000 Transition to Kean[2] –or– GE 3000 Transfer Transitions[2]	1
ENG 1030 Composition[3]	3
MATH 1000 Algebra for College Students****[4]	3
COMM 1402 Speech Communication[3]	3
GE 2024 Research & Technology	3
Disciplinary & Interdisciplinary Distribution Requirements:[1] 29 S.H.	
Humanities **9 S.H. (from different areas)**	
*ENG 2403 World Literature	3
Take two "GE Approved" courses from two areas below:	
Fine Arts/Art History	3
Philosophy or Religion	3
Foreign Languages (Must take I and II for credit)	3
Music or Theatre	3
Interdisciplinary	3
Social Sciences **9 S.H. (from different areas)**	
*HIST 1062 Worlds of History	3
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.**	
MATH 1054 Pre-calculus****[4]	3
BIO 1000 Principles of Biology[4]	4
ENV 1100 Foundations of Environmental Science[4]	4
ADDITIONAL REQUIRED COURSES 17 S.H.	
CHEM 1083 Chemistry I	4
ID 2052 Human Exceptionality	3
PHYS 2091 Physics I	4
PSY 2110 Psychology of Adolescence	3
SUST 1000 Intro to Sustainability Science	3
OPTIONAL COURSE‡	
ES 1996 Freshman Research Experience	1-2

ACADEMIC MAJOR 61 S.H. (Total)	
Major Required Courses: 27 S.H.	
ES 1100 Introduction to Astronomy	4
ES 1200 Introduction to Geology	4
ES 1300 Introduction to Meteorology	4
ES 2400 Introduction to Oceanography	4
Select 3 courses from ES, ENV or SUST	
3000-4000 Level	3
3000-4000 Level	4
3000-4000 Level	4
Major Capstone Course: 3 S.H.	
ES 4981 Environmental Issues Seminar (WE)	3
PROFESSIONAL EDUCATION 31 S.H.	
Sophomore Level	
EMSE 2801 Clinical Experience I in Subject Area Instruction K-12[5]	3
Junior Level	
EDUC 3000 Curriculum, Evaluation & the Lerner[6]	3
EDUC 3401 Language Arts/Reading P-12[6]	3
EMSE 3122 Technology in Education	3
EMSE 3903 Teaching English Language Learners	1
Senior Level	
EMSE 4711 Clinical I Practice in Subject Area K-12[7 8]	3
EMSE 3230 Science Education K-12[9]	3
EMSE 4811 Clinical II in Subject Area Instruction K-12[4 7 8 11 12]	9
EDUC 4000 Teacher and the Classroom Professional EDU Capstone	3
Special Notes for General Education:	
[1] See pre-requisites and equivalencies (on page 2)	
[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)	
[3] Requires grade of B- or higher	
[4] Requires grade of C or higher	
*GE Distribution course required of all students	
**Course required by Major	
****A student whose qualifying score on the placement test makes them eligible to take either MATH 1054 or MATH 2411 may start with that course instead. In that case, the student may take 3 additional credits of free electives instead of MATH 1000 to total 120 credits.	
‡ Suggested optional course: ES 1996 Freshman Research Experience. This is a 1-credit research course that is not counted toward the credits required for the BA degree-Can be taken up to 2 times.	
PLEASE SEE ADDITIONAL NOTES ON PAGE 2.	

PROGRAM REVISION DATE 8/27/19

Special Notes on Professional Education;

[5]**Secondary Education major**

*Acceptance into the University is **NOT** acceptance into the Secondary Education Department. This is a separate process. No education courses beyond EMSE 2801 may be taken until the student is declared into the program. The criteria for SE program admission/declaration includes:*

A. Minimum Kean GPA of 3.0.

B. Completion of the following courses/minimum grades:

- ENG 1030 College Composition (minimum grade of B-)
- COMM 1402 Speech Comm As Critical Citizenship (minimum grade of B-)
- EMSE 2801 Intro to Field Experience in Subject Area P-12 (minimum grade B-)
- Laboratory Science course (minimum grade of C)
- Math requirement (minimum grade of C)

C. Passing score on the Praxis Core Academic Skills Test
D. Two letters of recommendation
E. Filing of a formal application for admission and arranging an interview

[6] Should be completed prior to Clinical I
[7] Requires submission of application to the Teaching Performance Center (TPC)
[8] Clinical I and II must be done back-back-to-back and in consecutive semesters
[9] Should be done in conjunction with Clinical I
[10] Clinical II Prerequisite: Passing score on the Praxis II: A passing score on the appropriate Praxis II score must be submitted to the Teaching Performance Center by the TPC's required deadline. No student may enter Clinical II unless the passing score is submitted as required.

[11] As an NJDOE requirement, Clinical II must be done in the final semester prior to graduation and taken in conjunction with EDUC 4000, the capstone education class. Any additional course work left to that final Clinical II semester is discouraged and may only be done with the written permission of the dean of education. All students are highly encourage to complete all course requirements beyond EMSE 4811 (Clinical II) and EDUC 4000 prior to this final Clinical II semester, as the even a few remaining credits will delay NJDOE's issue date of the Certificate of Eligibility with Advanced Standing.

[12] Students must successfully complete the edTPA in order to be eligible for certification.

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
Equiv: GE 2020

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.