

KEAN UNIVERSITY
The Dorothy and George Hennings College of Science, Mathematics, and Technology
(70191) BA. BIOLOGY EDUCATION (TSD)
126 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 DATE: **Fall 2022**

GENERAL EDUCATION: 41 SH			ACADEMIC MAJOR REQUIREMENTS** : 67 SH	
FOUNDATION REQUIREMENTS¹: 13 SH			Major Required Courses Biology: 24 SH	
GE 1000	Transition to Kean ² or	1	BIO 1300 General Biology I ⁶	4
GE 3000	Transfer to Transitions ²		BIO 1400 General Biology II ⁷	4
ENG 1030	College Composition ^{***}	3	BIO 2500 Principles of Botany	4
MATH 1000	Algebra ^{3,4}	3	BIO 3400 Zoology: Form and Function	4
COMM 1402	Speech Communication ^{***}	3	BIO 3614 Principles of Ecology (W-E)	4
GE 2024	Research & Technology	3	BIO 3709 Principles of Genetics	4
DISCIPLINARY & INTERDISCIPLINARY DISTRIBUTION REQUIREMENTS: 28 SH			Biology Major Electives: 7 SH <i>Selected with Departmental advisement at 3000 – 4000 level</i>	
Humanities: 9 SH			1)	4
*ENG 2403	World Literature	3	2)	3
Take two "GE-Approved" Humanities courses from below:			Major/GE Capstone Course: 3 SH	
Interdisciplinary (ID 1300, 1500, or 3230)			BIO 4970 Seminar in Integrative Biology	3
Music or Theatre				
Foreign Languages (must take I and II for credit) ⁵			Professional Education Courses: 33 SH****	
Fine Arts/ Art History			SOPHOMORE LEVEL	
Philosophy or Religion			EMSE 2801 Intro to Clinical Experience P-12	3
Social Sciences: 9 SH			SPED 2200 Multicultural Learners in Diverse Settings	3
*HIST 1062 Worlds of History			JUNIOR LEVEL	
Choose two "GE-Approved" Social Science Course from below:			EDUC 3000 Curriculum Evaluation & Learner ⁹	3
Economics/ES 1010 World Geography			EDUC 3401 Language Arts/Reading P-12 ⁹	3
Interdisciplinary (ID 2415)			EMSE 3230 Science Education P-12 ¹⁰	3
Sociology or Anthropology			EMSE 4711 Clinical I Practice in Subject area P-12 ^{10,11,17}	3
Psychology			SPED 3000 Prin and Pract Contemp Educ (W-E) ¹⁰	3
Political Science			SENIOR LEVEL	
Science and Mathematics: 10 SH			EMSE 4811 Clinical II Practice in Sub Area P-12 ^{12,13,14,15,16}	9
MATH 1054 Precalculus ⁴			Education Major Capstone Course: 3 S.H.	
CHEM 1030 Essentials of Chemistry ⁵			SPED 4200 Prof Pract NJ Sped Educ System	3
CHEM 1030L Essentials of Chemistry Lab ⁵				
Science Elective (choose ENV, ES, FSC, PHYS, SUST, or ID)			Special Notes:	
ADDITIONAL REQUIRED COURSES: 18 SH			¹ See Prerequisites and Equivalencies (on page 2)	
ES 1000 Observing the Earth			² Univeristy 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).	
ID 2052 Human Exceptionality ^{***}			³ Math 1000 requires a minimum grade of C	
ID 3051 Comp Tech in Today's Society			⁴ With qualifying placement test scores, this course may be substituted with a Free Elective.	
ID 3163 Classroom Management			⁵ C or higher needed to progress to the next course.	
PHYS 1001 Principles of Contemporary Physics			⁶ If enrolled before 9/14. Substitute BIO 2200	
PSY 2110 Adolescent Psychology			⁷ If enrolled before 9/14, substitute BIO 2400	
Optional Free elective			1	

Bio 1996 Research Initiative for 1 st year student	
*GE Distribution course required of all students	⁸ The minimum GPA for programs in the College of Education is 3.0
** All Major courses require a grade of C or better	⁹ Should be completed prior to Clinical I
***Secondary Education Major: A grade of B- or better is required	¹⁰ Should be done in conjunction with Clinical I
	¹¹ COE Admissions Test Criteria: Praxis I Core Academic Skills for Educators. This is required to be declared and to move forward into the Clinical Practice I (Junior Field). It requires submission of application to the Teaching Performance center (TPC) and a passing score on the Praxis I Core
	¹² Clinical I and II must be done back-to back and in consecutive semesters.
	¹³ Requires submission of application to the Teaching Performance center (TPC)
Revised 8/13/2019	¹⁴⁻¹⁶ Please see back of page for explanation.

GENERAL EDUCATION INFO & REQUIREMENTS

Additional Footnotes

¹⁴ Clinical II prerequisite: Passing score on the Praxis II. All students must earn the required qualifying scores on the appropriate Praxis II content knowledge examination(s). A passing score on the appropriate Praxis II score must be submitted to the TPC by the PTC's required deadline. No student may enter Clinical II unless the passing score is submitted as required.

¹⁵ As an NJDOE requirement, Clinical II must be done in the final semester prior to graduation. Any additional coursework 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 encouraged to complete all course requirements beyond EMS 4811 (clinical II) prior to this final Clinical II semester, as remaining credits (even if only a few) will delay the NJDOE's issue date of the Certificate of Eligibility with Advanced Standing.

¹⁶ edTPA – This Performance Assessment is required and is completed during Clinical Practice II (Senior Field). Beginning in September 2019, all students must earn the state's Qualifying score.

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 freshman and transfers enter in with 0-29 credits.

Prereq: None; Equivalent ID 1001

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

ENG 1030 Prereq: Placement testing or exemption from placement testing. ENG 1025 if required by placement testing. Equiv: ENG 1031/32; ENB 1033/34; ENG 1430 (ESL version); ENG 1620 (Honors version) ENG 1020; 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

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 & 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 SMT

GE 2025 SVPA and 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 under 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 Science, 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 Requirement are awarded only upon successful completion 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 (W.E)

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.

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 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
 - 1. ENG 1030 College Composition (minimum grade of B-)
 - 2. COMM 1402 Speech Comm. as Critical Citizenship (minimum grade of B-)
 - 3. EMSE 2801 Intro to Field Experience in Subject Area P-12 (minimum grade of B-)
 - 4. Laboratory Science course (minimum grade of C)
 - 5. Math requirement (minimum grade of C)
- C. Passing score on the Praxis Core Academic Skills Test
- D. Two letters of recommendation.
- E. Filing a formal application for admission and arranging an interview

Your major's department is located in the George Hennings Hall, Room C-124 on Main Campus (telephone 908-737-3650)
You must bring this guidesheet and your KeanWise program evaluation to all advising/registration sessions.