KEAN UNIVERSITY
The Dorothy and George Hennings College of Science, Mathematics, and Technology
(70190) BA. BIOLOGY EDUCATION
120 Semester Hours (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: 42 SH		**ACADEMIC MAJOR REQUIREMENTS[**]: 62 SH**	
FOUNDATION REQUIREMENTS[1]: 13 SH		**Major Required Courses Biology: 24 SH**	
GE 1000 Transition to Kean[2] or GE 3000 Transfer to Transitions[2]	1	BIO 1300 General Biology I[6]	4
		BIO 1400 General Biology II[7]	4
ENG 1030 College Composition[3]	3	BIO 2500 Principles of Botany	4
MATH 1000 Algebra[4]	3	BIO 3400 Zoology: Form and Function	4
COMM 1402 Speech Communication[3]	3	BIO 3614 Principles of Ecology (W-E)	4
GE 2024 Research & Technology	3	BIO 3709 Principles of Genetics	4
DISCIPLINARY & INTERDISCIPLINARY DISTRIBUTION REQUIREMENTS: 29 SH		**Biology Major Electives: 4 SH** *Selected with Departmental advisement at 3000 – 4000 level*	
Humanities: 9 SH		Bio Major Elective	4
*ENG 2403 World Literature	3		
Take two "GE-Approved" Humanities courses	**6**	**Biology Capstone Course: 3 SH**	
Choose TWO DIFFERENT courses from the following below			
Interdisciplinary (ID 1300, 1500, or 3230)	3	BIO 4970 Seminar Integrative Biology	3
Music or Theatre	3		
Foreign Languages (must take I and II for credit)	3	**Professional Education Courses: 31 SH[8]**	
Fine Arts/ Art History	3	**SOPHOMORE LEVEL**	
Philosophy or Religion	3	EMSE 2801 Intro to Clinical Experience P-12**	3
***Social Sciences:* 9 SH**		**JUNIOR LEVEL**	
*HIST 1062 Worlds of History	3	EDUC 3000 Curriculum Evaluation & Learner[9]	3
Interdisciplinary (ID 2415)	3	EDUC 3401 Language Arts/Reading P-12[9]	3
Interdisciplinary (ID 1350)	3	EMSE 3122 Technology in Education	3
		EMSE 3230 Science Education P-12[10]	3
		EMSE 4711 Field Experience Subj P-12[11,12]	3
Science and Mathematics: 11 SH		**SENIOR LEVEL**	
MATH 1054 Precalculus [3,4]	3	EMSE 3903 Teaching English Language Learners	1
CHEM 1030 Essentials of Chemistry[5]	3	EMSE 4811 Clinical II Practice in Sub Area P-12 [11,12,13,14,15]	9
CHEM 1030L Essentials of Chemistry Lab[5]	1	**Education Major Capstone Course: 3 S.H.**	
Science Elective[5] (choose ENV, ES, FSC, PHYS, SUST, or ID)	4	EDUC 4000 Teacher and Classroom: Professional EDU Capstone [14,15]	3
		Free Elective Course: 1 SH (optional)	
		Bio 1996 Research Initiative for 1st year student	1
		Special Notes:	
ADDITIONAL REQUIRED COURSES: 16 SH		[1]See Prerequisites and Equivalencies (on page 2)	
ES 1000 Observing the Earth	3	[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).	
CHEM 2180 Principles of Organic Chemistry	4		
ID 2052 Human Exceptionality	3	[3]Requires a grade of B- or higher	
PSY 2110 Adolescent Psychology	3	[4]With qualifying placement test scores, this course may be substituted with an Elective.	
PHYS 1001 Principles of Contemporary Physics	3	[5]Requires a grade of C or higher	

		[6]If enrolled before 9/14. Substitute BIO 2200
		[7]If enrolled before 9/14, substitute BIO 2400
*GE Distribution course required of all students		**[8]The minimum GPA for programs in the College of Education is 3.0**
** Secondary Education Major: A grade of B- or better is required		[9]Should be completed prior to Clinical I
		[10]Should be done in conjunction with Clinical I
		[11-15]See back of page for explanation.
Revised 8/14/2019		

GENERAL EDUCATION INFO & REQUIREMENTS

Additional Footnotes

[11]Clinical I and II must be done back-to back and in consecutive semesters.
[12]Requires submission of application to the Teaching Performance center (TPC)
[13] 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.
[14] 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.
[15] 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.

Pre-requisites and co-requisites may change; please consult KeanWise course descriptions for the most current information. Some courses may require approved petitions.

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 B-)
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.