KEAN UNIVERSITY
College of Natural, Applied and Health Sciences
(70196) B.A. in Biology: Teacher Certification Option (P-12) With an Endorsement in Teachers of Students with Disabilities:
126 Semester Hours (S.H.)
Minimum GPA Required for Declaration: 3.0
Minimum GPA Required for Major: 3.0
Minimum GPA Required for Graduation: 3.0

Effective Date: **Fall 2019**

GENERAL EDUCATION: 41 S.H.			**ACADEMIC MAJOR COURSES**: 67 S.H.**		
Foundations Requirements[1]: 13 S.H.			**Major Required Courses: 24 S.H.**		
GE 1000 Transition to Kean[2] **OR** GE 3000 Transfer Transitions[2]	1		BIO 1300 General Biology I[6]	4	
			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 & 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 S.H.			**Biology Major Electives: 7 S.H.** *Selected with Departmental advisement at 3000-4000 level*		
Humanities: 9 S.H.			1)	4	
*ENG 2403 World Literature	3		2)	3	
Take two "GE-Approved" Humanities courses from below:	6		**Major Capstone Course: 3 S.H**		
Fine Arts/Art History	3		BIO 4970 Seminar Integrative Biology	3	
Philosophy or Religion	3		**Professional Education Courses: 33 S.H.***[,8]**		
Foreign Language (must take I and II for credit)	3		**SOPHOMORE LEVEL**		
Music or Theatre	3		EMSE 2801 Intro to Clinical Experience P-12	3	
Interdisciplinary (ID 1300, ID 1500, ID 3230)	3		SPED 2200 Multicultural Learner in Diverse Setting	3	
			JUNIOR LEVEL		
Social Science: 9 S.H.			EDUC 3000 Curriculum Evaluation & Learner[9]	3	
*HIST 1062 Worlds of History	3		EDUC 3401 Language Arts/Reading P-12[9]	3	
Take two "GE-Approved" Social Sciences courses from below:	6		EMSE 3230 Science Education P-12[10]	3	
Economics/ES 1010 World Geography	3		EMSE 4711 Clinical I Practice in Sub Area P-12[11,12]	3	
Political Science	3		SPED 3000 Prin and Pract Contemp Educ (W-E)[10]	3	
Psychology	3		**SENIOR LEVEL**		
			EMSE 4811 Clinical II Practice in Sub Area P-12[12,13,14,15,16]	9	
Sociology/Anthropology	3		**Education Major Capstone Course: 3 S.H.**		
Interdisciplinary (ID 2415)	3		SPED 4200 Prof Pract NJ Sped Educ System	3	
Science & Mathematics: 10 S.H.					
MATH 1054 Precalculus[4]	3		**Special Notes:**		
CHEM 1030 Essentials of Chemistry[5]	3		[1]See Prerequisites & Equivalencies (on page 2).		
CHEM 1030L Essentials of Chemistry Lab[5]	1		[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).		
Science Elective (Choose from ENV, ES, FSC, PHYS, SUST, ID)	3				
Additional Required Courses: 18 S.H.			[3]MATH 1000 requires a minimum grade of C		
ES 1000 Observing the Earth	3		[4]With qualifying placement test scores, this course may be substituted with a Free Elective.		
ID 2052 Human Exceptionality***	3		[5]C or higher needed to progress to the next course.		
ID 3051 Comp Tech in Today's Society	3		[6]If enrolled before 9/14, substitute BIO 2200		
ID 3163 Classroom Management	3		[7]If enrolled before 9/14, substitute BIO 2400.		
PHYS 1001 Principles of Contemporary Physics	3		[8]**The minimum GPA for programs in the College of Education is 3.0**		
PSY 2110 Adolescent Psychology	3		[9]Should be completed prior to Clinical I.		
Optional Free Elective			[10]Should be done in conjunction with Clinical I.		
BIO 1996 Research Initiative for 1st Year Students (optional)	1		[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		
*GE Distribution course required of all students					

** All Major courses require a grade of C or better			passing score on the Praxis I Core
***Secondary Education Major: A grade of B- or better is required .			[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 INFORMATION AND 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 must be submitted to the TPC by the TPC'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 EMSE 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 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

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 a 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 SVPA & 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 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 Science 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 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 (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 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:
   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 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 Science Building, 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.