KEAN UNIVERSITY
College of Natural, Applied and Health Sciences
(70100) B.A. in Biology (General Option): 120 Semester Hours (S.H.)
Minimum GPA 2.5 for Declaration, Major and Graduation****

Effective Date: **Fall 2019**

GENERAL EDUCATION: 42 S.H.		**ADDITIONAL REQUIRED COURSES: 23 S.H.**	
Foundations Requirements[1] 13 S.H.		CHEM 2581[5] Organic Chemistry I Lecture	3
GE 1000[2] Transition to Kean **OR** GE 3000[2] Transfer Transitions	1	CHEM 2581L Organic Chemistry I Lab	1
		CHEM 2582 Organic Chemistry II Lecture	3
ENG 1030[3] College Composition	3	CHEM 2582L Organic Chemistry II Lab	1
MATH 1054[4] Precalculus	3	ENV 1000 Introduction to Environmental Science	3
COMM 1402 Speech Communication	3	MATH 2415 Calculus I	4
GE 2024 Research & Technology	3	PHYS 2091 General Physics I	4
DISCIPLINARY & INTERDISCIPLINARY DISTRIBUTION REQUIREMENTS[1]: 29 S.H.		PHYS 2092 General Physics II	4
		ACADEMIC MAJOR COURSES*: 32 S.H.**	
***Humanities* (from different areas) 9 S.H.**		**Major Required Courses 24 S.H.**	
*ENG 2403 World Literature	3	BIO 1300[6] General Biology I	4
Take two "GE-approved" courses from two areas below:		BIO 1400[7] General Biology II	4
		BIO 2500 Principles of Botany	4
		BIO 3400 Zoology: Form & Function	4
Fine Arts or Art History	3	BIO 3614 Principles of Ecology (WE)	4
Foreign language (must take I and II for credit)	3	BIO 3709 Principles of Genetics	4
Music or Theatre	3	**Biology Major Electives: 8 S.H.** *Selected with Departmental advisement at 3000-4000 level*	
Philosophy or Religion	3	1)	
Interdisciplinary	3		
		2)	
***Social Sciences* (from different areas) 9 S.H.**		****Major Capstone Course***: 3 S.H.**	
*HIST 1062 Worlds of History	3	BIO 4970 Seminar in Integrative Biology	3
Take two "GE-approved" courses from two areas below:		**FREE ELECTIVES 20 S.H. (50% at 3000-4000 level)**	
		BIO 1996 Intro to Biological Research (optional)[8]	1
		BIO 3291-93 Internship (optional)[8]	1-3
Economics, World Geography or ES 1010	3	ID 1010 Leisure & Rec in Mult. Society OR ID 1225 Issues in Contemp. Health OR PED "Movement Forms" courses (optional)	1-3
Political Science	3		
Psychology	3		
Sociology /Anthropology	3		
Interdisciplinary	3	**Special Notes:**[1]See prerequisites and equivalencies (on page 2)	
***Science & Mathematics:* 11 S.H.**		[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)	
MATH 1016 Statistics (BIO Section)	3	[3]ENG 1030 requires a grade or C or higher	
CHEM 1083[5] Chemistry 1	4	[4]With qualifying placement test scores as determined by the Kean Placement Testing Center, may be substituted with any elective.	
CHEM 1084[5] Chemistry II	4	[5]C or higher needed to progress to the next course.	
		[6]If enrolled before 9/14, substitute BIO 2200.	
		[7]If enrolled before 9/14, substitute BIO 2400.	
		[8]Optional courses that may be counted towards free electives.	

*GE Distribution course required of all students
**Course required by Major
***All Major courses require a grade of C or better.
****Minimum cumulative GPA of 2.5 to remain in BA Biology major; Graduate Schools likely require a 3.0 minimum for eligibility

Revised: 5/04/19

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
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
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.