

KEAN UNIVERSITY
College of Natural, Applied and Health Sciences
(Major Code 70305) B.S. in Biology: Forensic Science Option: 120 Semester Hours (S.H.)
 Minimum 2.5 Cumulative and Major GPA Requirement
 [ver. 01.09.19; effective 09/19]

Name:		TRANSFER INSTITUTION(S)	
Student ID #		Start term at Kean:	
GENERAL EDUCATION: 35 SH		ACADEMIC MAJOR COURSES: 61 SH	
Foundation Requirements¹	13 SH	Major Required Courses: Biology³	20 SH
GE 1000 Transition to Kean ² OR GE 3000 Transfer Transitions ²	1	BIO 1300 General Biology I	4
		BIO 1400 General Biology II	4
ENG 1030 College Composition ³	3	BIO 3709 Genetics	4
MATH 1054 Pre-calculus	3	BCHM 4115 Biochemistry	3
COMM 1402 Speech Communication	3	BCHM 4115L Biochemistry Lab	1
GE 2024 Research & Technology	3	BIO 4700 Molecular Genetics	4
DISCIPLINARY & INTERDISCIPLINARY DISTRIBUTION REQUIREMENTS:		Major Electives: Biology	4 SH
Humanities (GEHU)	6 SH	BIO 2500 Principles of Botany	4
ENG 2403 World Literature	3	BIO 3315 Microbiology	3
PHIL 2300 Introduction to Ethics	3	BIO 3315L Microbiology Lab	1
Social Sciences (GESS)	6 SH	BIO 3260 Histology	4
HIST 1062 Worlds of History	3	BIO 3400 Zoology Forms & Function	4
<i>Select one course from the following</i>		BIO 3403 Anatomy and Physiology I	4
Economics/Geography	3	BIO 4225 Cell Physiology	4
Political Science	3	Major Required Courses: Criminal Justice	9 SH
Psychology	3	CJ 2600 Criminal Justice in America	3
Sociology/Anthropology	3	CJ 3700 Proof and Verification	3
Interdisciplinary	3	CJ 4100 Trial Advocacy	3
Science and Mathematics (GESM)	7 SH	Major Required Courses: Forensic Science	18 SH
MATH 1016 Statistics	3	FSC 1000 Intro to Forensic Science	3
CHEM 1083 Chemistry I ⁴	4	FSC 2000 Forensic Science Fundamentals	3
Major/GE Capstone³	3 SH	FSC 3000 Crime Scene Investigation	4
BIO 4970 Seminar in Integrative Biology	3	FSC 4010 Criminalistics & Trace Evidence	4
		FSC 4020 Forensic Biology	4
ADDITIONAL REQUIRED COURSES:	24 SH	Free Electives	10 SH
CHEM 1084 Chemistry II ⁴	4	BIO 1996 Applied Research in Biology ⁵	1
CHEM 2581 Organic Chemistry Lecture I ⁴	3	BIO Internship 3291, 2, 3 ⁵	1-3
CHEM 2582 Organic Chemistry Lecture II	3	Other Free Electives	6-10
CHEM 2581L Organic Chemistry Lab I ⁴	1		
CHEM 2582L Organic Chemistry Lab II	1		
MATH 2415 Calculus I	4		
PHYS 2091 or PHYS 2095	4		
PHYS 2092 or PHYS 2196	4		

Minimum cumulative GPA of 2.5 at time of application for acceptance as declared major

Minimum 2.5 cumulative and major GPA requirement. Graduate Schools likely to require a 3.0 minimum for eligibility.

¹See prerequisites & equivalencies

²University 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)

³ENG 1030, Capstone & Major Courses require C or higher

⁴C or higher needed to progress to next course

⁵ BIO 1996 and/or BIO 3291, 2, 3 are optional choices to fulfill Free Electives

GENERAL EDUCATION INFO & 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

ENG 1030 Prereq: Placement testing; Equiv: ENG 1031/32; 1033/34; 1430; ENG 1020; 1400

MATH 1054 Precalc Prereq: 3 yrs secondary school math including 2 yrs algebra + 1 yr geometry or equivalent & qualifying score on placement exam or equivalent

COMM 1402 Prereq: CS 0411 or 0412 if required by testing; ENG1031/32;1033/34Maybe taken concurrently w/ENG1030;Equiv:COMM1400

GE 2021-2024 Research & Technology is offered as college-based course

GE 2021 College of BPA; GE 2022 College of ED; GE 2023 College of AHSS; GE 2024 College of NAHS

Prereq: ENG 1030 or equivalent & MATH 1000 or equivalent; Equiv: GE 2020

Course Paired with Reading Must be taken concurrently with CS 0412 if required by placement testing.

General Education Distribution Courses

All courses under GE Disciplinary/Interdisciplinary Distribution requirements must be selected from the Approved GE Distribution Course List. (GEHU Humanities; GESS Social Sciences; GESM Science and Mathematics; GEHPE Health and Physical Education)

Required GE Distribution Courses

ENG 2403 is a required Humanities Distribution course with an emphasis on diversity. Prereq: ENG 1030 or equivalent

HIST 1062 is a required Social Sciences Distribution course with an emphasis on diversity.

Major/GE Capstone Course (a Capstone course is a major course that satisfies three credits of GE requirements.)

Each major guide sheet will count three credits for the Capstone as either GE credits or major credits, but not both.

Course Prerequisites (Pre/Corequisites may change, consult Keanwise; Some course may require approved petitions)

BIO 1300: Math 1000 (College Algebra) or the University's math placement exam score to qualify & Corequisite: MATH 1054 (precalculus) or instructor permission

BIO 1400: Prerequisite BIO 1300 and Corequisite CHEM 1083 General Chemistry I

BIO 2500: Prerequisite BIO 1300

BIO 3315: Prerequisite BIO 1400

BIO 3315L: Prerequisite BIO 1400

BIO 3400: Prerequisite GE 2024, BIO 1400 and CHEM 1084

BIO 3403: Prerequisite BIO 2400 and CHEM 2180 or 3181 or permission of instructor

BIO 3620: 12 credits in BIO including BIO 1300 and BIO 1400 or permission of instructor

BIO 3709: Prerequisite BIO 2400 or 1400

BIO 4225: Prerequisite CHEM 2582, CHEM 2584, & GPA 2.5 or higher

BIO 4700: BIO 3709 and BCH 4115 or permission of the instructor

BIO 4970: 20 credits of biology plus senior biology major status (requires approved petition)

BCHM 4115: BIO 1400, BIO 3315 and BIO 3315L

BCHM 4115L: BIO 1400, BIO 3315, and BIO 3315L

CHEM 1083: Prerequisite MATH 1000 (College Algebra); Corequisite MATH 1054 (Precalc)

CHEM 1084: MATH 1054, & CHEM 1083 with grade of C or better

CHEM 2581: CHEM 1084 with grade of C or better

CHEM 2582: CHEM 2581 with grade of C or better

CHEM 2581L: Corequisite of CHEM 2581 or permission of instructor

CHEM 2582L: Prereq of CHEM 2581 & 2582 grade of C or better & Corequisite of CHEM 2582

CJ 3700: CJ 2600 or permission of instructor

CJ 4100: CJ 3685, 9 SH of CJ courses or permission of instructor

FSC 2000: FSC 1000 & CJ 2600

FSC 3000: CJ 3700 & FSC 2000

FSC 4010: CJ 3700 & FSC 2000

FSC 4020: FSC 2000 & BIO 3709

MATH 1016: MATH 0901 or placement testing

MATH 2415: MATH 1054 (Precalc)

PHYS 2091: MATH 1054 (Precalc) or equivalent

PHYS 2092: PHYS 2091

PHYS 2095: Prerequisites MATH 2415; Corequisite: MATH 2416

PHYS 2196: Prerequisites: PHYS 2095, MATH 2416