KEAN UNIVERSITY

Dorothy and George Hennings College of Science, Mathematics and Technology
(CHEM) B.S. in Chemistry: Forensic Science Option - 120 Semester Hours (S.H.)
Effective Fall 2025
Minimum 2.5 Cumulative and Major GPA Requirement

GENERAL EDUCATION: 35 SH		**ACADEMIC MAJOR COURSES: 57 SH**	
Foundation Requirements[1]	**13 SH**	**Major Required Courses[3]**	**26 SH**
GE 1000 Transition to Kean[2] **OR** GE 3000 Transfer Transitions[2]	1	CHEM 1084 Chemistry II[4]	4
		CHEM 2283 Quantitative Analysis	4
ENG 1030[3] College Composition	3	CHEM 2491 Inorganic Chemistry	3
MATH 1054 Precalculus	3	CHEM 2581 Organic Chemistry Lecture I[4]	3
COMM 1402 Speech Communication	3	CHEM 2582 Organic Chemistry Lecture II	3
GE 2024 Research & Technology	3	CHEM 2581L Organic Chemistry Lab I[4]	1
DISCIPLINARY & INTERDISCIPLINARY DISTRIBUTION REQUIREMENTS:		CHEM 2582L Organic Chemistry Lab II	1
Humanities (GEHU)	**6 SH**	CHEM 3284 Instrumental Methods of Analysis	4
ENG 2403 World Literature	3	CHEM 3381 Physical Chemistry I	3
PHIL 2300 Introduction to Ethics	3	**Major Required Courses: Biology**	**8 SH**
Social Sciences (GESS)	**6 SH**	BIO 1300 General Biology I	4
HIST 1062 Worlds of History	3	BIO 1400 General Biology II	4
Select <u>one</u> courses from the following		**Criminal Justice**	**6 SH**
Economics/Geography	3	CJ 2600 Criminal Justice in America	3
Political Science	3	CJ 3700 Proof and Verification	3
Sociology/Anthropology	3		
Interdisciplinary	3	**Major Required Courses: Forensic Science**	**17 SH**
		FSC 1000 Introduction to Forensic Science	3
Science and Mathematics (GESM)	**7 SH**	FSC 2600 CSI Procedures	3
MATH 1016 Statistics	3	FSC 4030 Forensic Chemistry	4
CHEM 1083 Chemistry 1[4]	4	FSC 3701 Intro to Forensic Toxicology	3
Major/GE Capstone[3]	**3 SH**	One 4000 level lecture/lab course in FSC	4
CHEM 4908 Seminar in Chemistry	3	**Free Electives**	**8 SH**
ADDITIONAL REQUIRED COURSES	**20 SH**		
MATH 2415 Calculus I	4		
MATH 2416 Calculus II	4		
BCHM 4115 Biochemistry	3		
BCHM 4115L Biochemistry Lab	1		
PHYS 2095 Physics I	4		
PHYS 2197 Physics III	4		
Advisor's Signature:			

Rev. 1/25 (Registrar/VPAA/Senate/UCC/GE-120 mandate)

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 require a 3.0 minimum for eligibility

[1]See prerequisites & equivalencies
[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)
[3]ENG 1030, Capstone & Major Courses require C or higher
[4]C or higher needed to progress to next course

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 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 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 Distribution 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.