KEAN UNIVERSITY

College of Natural, Applied and Health Sciences (Major Code 72105) B.S. in Chemistry: Forensic Science Option - 120 Semester Hours (S.H.) Effective Fall 2019 Minimum 2.5 Cumulative and Major GPA Requirement

Required Courses ³ 084 Chemistry II 283 Quantitative Analysis 491 Inorganic Chemistry	
283 Quantitative Analysis 491 Inorganic Chemistry	26 SH
491 Inorganic Chemistry	4
	4
	3
581 Organic Chemistry Lecture I	3
582 Organic Chemistry Lecture II	3
581L Organic Chemistry Lab I	1
582L Organic Chemistry Lab II	1
284 Instrumental Methods of Analysis	4
381 Physical Chemistry I	3
equired Courses: Biology	8 SH
0 General Biology I	4
0 General Biology II	4
l Justice	9 SH
Criminal Justice in America	3
Proof and Verification	3
Trial Advocacy	3
equired Courses: Forensic Science	18 SH
0 Introduction to Forensic Science	3
0 Forensic Science Fundamentals	3
0 Crime Scene Investigation	4
0 Criminalistics: Trace and Impression Evidence	4
0 Forensic Chemistry	4
ctives	4 SH
996 Applied Research in Chemistry ⁵	1
	1-3
291, 2, 3 Internship ⁵	3
	1
291, 2, 3 Internship ⁵	
291, 2, 3 Internship ⁵ 115 Biochemistry	
291, 2, 3 Internship ⁵ 115 Biochemistry	
291, 2, 3 Internship ⁵ 115 Biochemistry	
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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

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

⁵Student may use <u>optional</u> Internship or Applied Research courses to fulfill Free Elective.

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.

<u>Major/GE Capstone Course (a Capstone course is a major course that satisfies three credits of GE requirements.)</u> 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 BCHM 4115: BIO 1400, BIO 3315, and BIO 3315L BCHM 4115L: BIO 1400, BIO 3315, and BIO 3315L

FSC 2000: FSC 1000 & CJ 2600 FSC 3000: CJ 3700 & FSC 2000 FSC 4010: CJ 3700 & FSC 2000 FSC 4030: CHEM 2581,CHEM 2583 & BIO 4105

CHEM 1083: Prerequisite MATH 1000 (College Algebra); Corequisite MATH 1054 (Precalc) CHEM 1084: MATH 1054, & CHEM 1083 with grade of C or better CHEM 2283: CHEM 1084 with grade of C or better CHEM 2491: Math 2415, C or better in CHEM 1084 or permission of instructor 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 with grade of C or better CHEM 2582L: CHEM 2583 with grade of C or better & Corequisite of CHEM 2582 CHEM 3284: CHEM 2283, MATH 2415, PHYS 2097, or permission of the instructor CHEM 4908: All GELAP requirements & permission of instructor CJ 3700: CJ 2600 or permission of instructor CJ 4100: CJ 3685, 9 SH of CJ courses or permission of the instructor

MATH 2415: MATH 1054 (Precalc) MATH 2416: MATH 2415

PHYS 2095: Prerequisite of Math 2415; Corequisite of MATH 2416 PHYS 2197: Prerequisite of PHYS 2095 & MATH 2416