

KEAN UNIVERSITY
COLLEGE OF NATURAL, APPLIED AND HEALTH SCIENCES
 (72102) **B.S. IN CHEMISTRY (Expanded Option, ACS Certified)** 128 S.H.
 (EFFECTIVE: 9/02)

TRANSFER INSTITUTIONS (X) CREDITS

NAME _____
 STUDENT I.D.# _____
 START TERM _____

ID 1001 Freshman Seminar¹ _____ 1 _____

In Progress () _____
Kean University() _____

GENERAL EDUCATION REQUIREMENTS: 49-50 S.H.

ADDITIONAL REQUIREMENTS 7 S.H.

FOUNDATIONS REQUIREMENTS²: 12 S.H.

ENG 1030 College Composition³ _____ 3 _____
 MATH 1000 Algebra Coll Students⁴ _____ 3 _____
 COMM 1402 Speech Communication As
 Critical Citizenship _____ 3 _____
 GE 2024 Research & Technology _____ 3 _____

Math 3451 Calculus III _____ 3 _____
 Phys 3097 Physics III _____ 4 _____

MAJOR AND CAPSTONE REQUIREMENTS³ 57 S.H.

DISCIPLINARY & INTERDISCIPLINARY

DISTRIBUTION REQUIREMENTS:

HUMANITIES 9 S.H.

*ENG 2403 World Literature _____ 3 _____
 (Select two courses from two areas)
 Fine Arts or Art History _____ 3 _____
 Philosophy or Religion _____ 3 _____
 Foreign Languages⁵ _____ 3 _____
 Music or Theatre _____ 3 _____
 Interdisciplinary _____ 3 _____

Chem 1083 Chemistry I _____ 4 _____
 Chem 1084 Chemistry II _____ 4 _____
 Chem 2283 Quantitative Analysis _____ 4 _____
 Chem 2491 Inorganic Chemistry _____ 3 _____
 Chem 3181 Organic Chemistry Lec I _____ 3 _____
 Chem 3182 Organic Chemistry Lec II _____ 3 _____
 Chem 3183 Org Chem Lab I & Rec I WE _____ 2 _____
 Chem 3184 Org Chem Lab II & Rec II _____ 2 _____
 Chem 3284 Instr Meth Of Analysis WE _____ 4 _____
 Chem 3381 Physical Chemistry Lec I _____ 3 _____
 Chem 3382 Physical Chemistry Lec II _____ 3 _____
 Chem 3383 Physical Chemistry Lab I _____ 2 _____
 Chem 3384 Physical Chemistry Lab II _____ 2 _____
 Chem 4481 Adv. Inorganic Chem _____ 3 _____
 Chem 4483 Inorganic Chem. Lab _____ 3 _____
 4000 Level Chemistry Lab Course _____ 3 _____
 Two 4000 Level Lecture Courses in Chem.,
 Phys., Math. or Earth Sciences
 _____ 3 _____
 _____ 3 _____

SOCIAL SCIENCES 9 S.H.

*HIST 1000 History of Civil Society
 in America _____ 3 _____
 (Select two courses from different areas)
 Psychology _____ 3 _____
 Economics or Geography _____ 3 _____
 Political Science _____ 3 _____
 Sociology or Anthropology _____ 3 _____
 Interdisciplinary _____ 3 _____

MAJOR/GE CAPSTONE COURSE³ 3 S.H.

Chem 4908 Seminar in Chemistry _____ 3 _____

SCIENCE & MATHEMATICS 11 S.H.

*MATH 1054 Precalculus⁴ _____ 3 _____
 Phys 2095 Physics I _____ 4 _____
 Phys 2096 Physics II _____ 4 _____

FREE ELECTIVES: 13-14 S.H.

(50% of free electives must be taken at the 3000-4000 level)

HEALTH/PHYSICAL EDUCATION 2,3 S.H.

ID 1225 Issues Contemp. Health _____ 3 _____
 OR
 Physical Education _____ 1 _____
 Physical Education _____ 1 _____

CONCENTRATION 6 S.H.

Math 2411 Calculus I _____ 3 _____
 Math 2412 Calculus II _____ 3 _____

¹Required of all Freshmen and Transfers with fewer than 10 credits.

²See prerequisites and equivalencies on page 3.

³Eng 1030 College Comp, all Major courses, and the Capstone, require a grade of C or better.

⁴Students whose qualifying score on the placement test makes them eligible to take Math 1054 or Math 2411 may take that course instead. In that case, Math 1054 or Math 2411 will count as the General Education requirement and the student may take another 3 or 6 credits in Free Electives to total 128 S.H.

⁵Credit granted upon completion of two semesters of elementary or intermediate foreign language. Three credits can be applied to Humanities, and 3 credits can be applied to Free Electives.

^{*}Required Distribution Course.

(72102) B.S. IN CHEMISTRY (Expanded Option, ACS Certified)

Comments:

Evaluator's Signature _____ Date _____

Advisor's Signature _____ Date _____

Advisor's Signature _____ Date _____

Advisor's Signature _____ Date _____

Advisor's Signature _____ Date _____

Advisor's Signature _____ Date _____

Advisor's Signature _____ Date _____

Advisor's Signature _____ Date _____

Advisor's Signature _____ Date _____

Advisor's Signature _____ Date _____

Advisor's Signature _____ Date _____

Advisor's Signature _____ Date _____

Advisor's Signature _____ Date _____

Your major department is located in Science Building (C), Room 221, Phone (908)737-3680.

**YOU MUST BRING THIS EVALUATION AND YOUR KEAN UNIVERSITY
TRANSCRIPT TO ALL ADVISING/REGISTRATION SESSIONS.**

ADDITIONAL MAJOR INFORMATION AND REQUIREMENTS

GECP.

GEHU Humanities
GESS Social Sciences
GESM Science and Mathematics
GEHPE Health and Physical Education
GECP Approved GE Concentration Pairs:
Special Disciplinary Pairs and Pairs
Across Disciplines

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

ENG 1030

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

MATH 1000

Prereq: Placement testing
Equiv: MATH 1001/02; 1003/04; 1051

COMM 1402

Prereq: CS 0411 or 0412 if required by
placement testing
ENG 1031/32; 1033/34
May be taken concurrently with
ENG 1030
Equiv: COMM 1400

GE 2021-2024 Research and 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.

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, printed in Registration Bulletin. These courses are designated as GEHU, GESS, GESM, GEHPE or

Required GE Distribution Courses

ENG 2403 is a required Humanities Distribution course with an emphasis on diversity.

HIST 1000 is a required Social Sciences Distribution course with an emphasis on diversity.

MATH 1010, 1016, 1054, CPS 1031, 1032 or 1231 may be used to satisfy the Science and Mathematics Distribution requirement.

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 two semesters of study at the introductory or intermediate level.

GE Concentration Sequences

A concentration is a two-course sequence in the Liberal Arts and Sciences, outside the major, that builds upon an introductory GE Distribution course. Three different options for satisfying the concentration exist:

(1)two courses in the same discipline at the two thousand level or above; (2)two courses from different disciplines at the two thousand level or above that cover a similar topic or theme (students taking this second option must obtain approval from the GE office prior to registration); (3)a preapproved pair of courses at the 1000 level or above that is published in the University Bulletin under GECP Distribution courses.

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.

UNIVERSITY REQUIREMENT

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.