

KEAN UNIVERSITY
COLLEGE OF NATURAL, APPLIED AND HEALTH SCIENCES
 (72101) **B.A. IN CHEMISTRY (Pre-Professional Option)** 124 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 19 S.H.

FOUNDATIONS REQUIREMENTS²: 12 S.H.

ENG 1030 College Composition³ _____ 3 _____

Math 3451 Calculus III _____ 3 _____

Phys 2095 Physics I _____ 4 _____

Phys 2096 Physics II _____ 4 _____

Phys 3097 Physics III _____ 4 _____

Bio 4105 Essentials of Biochemistry 4 _____

MATH 1000 Algebra Coll. Students⁴ _____ 3 _____

COMM 1402 Speech Communication As
 Critical Citizenship _____ 3 _____

GE 2024 Research & Technology _____ 3 _____

MAJOR AND CAPSTONE REQUIREMENTS³ 32 S.H.

Chem 1083 Chemistry I _____ 4 _____

Chem 1084 Chemistry II _____ 4 _____

Chem 2283 Quantitative Analysis _____ 4 _____

Chem 3181 Organic Chemistry Lec I _____ 3 _____

Chem 3182 Organic Chemistry Lec II _____ 3 _____

Chem 3183 Organic Chem Lab & Rec I WE _____ 2 _____

Chem 3184 Organic Chem Lab & Rec II _____ 2 _____

Chem 3284 Instr Meth of Analysis WE _____ 4 _____

Chem 3381 Physical Chem Lec I _____ 3 _____

DISCIPLINARY & INTERDISCIPLINARY

DISTRIBUTION REQUIREMENTS:

HUMANITIES 9 S.H.

*ENG 2403 World Literature _____ 3 _____

(Select two courses from different areas)

Fine Arts or Art History _____ 3 _____

Philosophy or Religion _____ 3 _____

Foreign Languages⁵ _____ 3 _____

Music or Theatre _____ 3 _____

Interdisciplinary _____ 3 _____

MAJOR/GE CAPSTONE COURSE³

Chem 4908 Seminar in Chemistry _____ 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 _____

FREE ELECTIVES: 22-23 S.H.

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

SCIENCE & MATHEMATICS 11 S.H.

*MATH 1054 Precalculus⁴ _____ 3 _____

Bio 2200 Cell Biology _____ 4 _____

Bio 2400 Genes, Org. & Pop. _____ 4 _____

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, 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 either Math 1054 or Math 2411 may take that course instead. In that case, m 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 124 S.H.

⁵Credit granted only upon the completion of both 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.

(72101) B.S. IN CHEMISTRY, (Pre-Professional Option)

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.