

KEAN UNIVERSITY
COLLEGE OF NATURAL APPLIED AND HEALTH SCIENCES
(78200) B.A. IN MATHEMATICAL SCIENCES 124 S.H.
(EFFECTIVE: 9/02)

instead. In that case, Math 1054 or Math 2411 will count as the General Ed requirement and the student may take another 3 or 6 credits as free electives to total 124 S.H.

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

TRANSFER INSTITUTIONS (X)	CREDITS
_____	_____
_____	_____
_____	_____
_____	_____

ID 1001 Freshman Seminar¹ _____ 1 _____

GENERAL EDUCATION REQUIREMENT: 48-52 S.H

FOUNDATIONS REQUIREMENTS²: 12 S.H.
 ENG 1030 College Composition³ _____ 3 _____

MATH 1000 Algebra for Coll. Students⁴ 3 _____

COMM 1402 Speech Comm As Crit. Cit. _____ 3 _____

GE 2024 Research & Technology _____ 3 _____

In Progress () _____
 Kean University() _____

ADDITIONAL REQUIREMENTS 8 S.H.
 CPS 1231 Fund. of Comp.Science _____ 4 _____
 CPS 2231 Comp. Org. & Prog. _____ 4 _____

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 REQUIREMENTS³ 39 S.H.
REQUIRED COURSES 24 S.H.
 Math 2110 Discrete Structures _____ 3 _____
 Math 2411 Calculus I _____ 3 _____
 Math 2412 Calculus II _____ 3 _____
 Math 2995 Matrix & Linear Algebra _____ 3 _____
 Math 3451 Calculus III _____ 3 _____
 Math 3452 Calculus IV _____ 3 _____
 Math 3455 Differential Equations _____ 3 _____
 Math 3544 Probability & Math. Stat. _____ 3 _____

SOCIAL SCIENCES 9 S.H.

*HIST 1000 Hist of Civil Soc. in Amer. _____ 3 _____
 (Select two courses from different areas)
 Economics or Geography _____ 3 _____
 Political Science _____ 3 _____
 Psychology _____ 3 _____
 Sociology or Anthropology _____ 3 _____
 Interdisciplinary _____ 3 _____

MAJOR ELECTIVES 12 S.H.
 (With advisement from 3000-4000 level)
 Math _____ 3 _____
 Math _____ 3 _____
 Math _____ 3 _____
 Math _____ 3 _____

SCIENCE & MATHEMATICS 10-11 S.H.

*MATH 1054 Precalculus⁴ _____ 3 _____
 (Select two courses - one must be a lab sci)
 Physics 2091 General Physics I **or**
 Physics 2095 Physics I (Recommended)⁴ _____
 Biology **or** Chemistry or Physics **or**
 Astronomy, Geology, Meteorology, ES, **or**
 Interdisciplinary _____ 3,4 _____

MAJOR/GE CAPSTONE COURSE³
 Math 4890 Senior Seminar in Math WE _____ 3 _____

HEALTH/PHYSICAL EDUCATION 2,3 S.H.

ID 1225 Issues Contemporary Health _____ 3 _____
 OR
 Physical Education _____ 1 _____
 Physical Education _____ 1 _____

FREE ELECTIVES: 24-28 S.H.
 (50% of free electives must be taken at the 3000-4000 level)
 Additional courses in Computer Science, Physics or other Sciences, Technology, Economics or Management Science recommended.

CONCENTRATION⁶ 6-8 S.H.

_____ 3,4 _____
 _____ 3,4 _____

(OVER)

¹ Required of all Freshmen and Transfers with fewer than 10 credits.
² See prerequisites and equivalencies on page 3.
³ Eng 1030 College Composition, and all major courses including the Capstone, require a grade of C or better.
⁴ Students whose qualifying score on the placement test makes them eligible to take either Math 1054 or Math 2411 may take that course

⁵ Credit granted only upon the completion of two semesters of elementary or intermediate foreign language. Three credits may be applied to Humanities and three credits may be applied to Free Electives.
⁶ Not required of students with a second major, minor or collateral.
 * Required Distribution Course

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 the Science Building (C), Room 233, phone (908)737-3700.

**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.