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

NAME_____
STUDENT I.D.#_____
START TERM_____

ID 1001 Freshman Seminar[1]_____1 ___

GENERAL EDUCATION REQUIREMENT: 48-52 S.H

FOUNDATIONS REQUIREMENTS[2]: 12 S.H.
ENG 1030 College Composition[3] _____ 3 ____
MATH 1000 Algebra for Coll. Students[4] 3 ____
COMM 1402 Speech Comm As Crit. Cit.___ 3 ____
GE 2024 Research & Technology_____ 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 Languages[5] _____ 3
____ Music or Theatre _____ 3
____ Interdisciplinary _____ 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 ____

SCIENCE & MATHEMATICS 10-11 S.H.
*MATH 1054 Precalculus[4]_____ 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 ____

HEALTH/PHYSICAL EDUCATION 2,3 S.H.
ID 1225 Issues Contemporary Health__ 3 ____
OR
Physical Education_____ 1 ____
Physical Education_____ 1 ____

CONCENTRATION[6] 6-8 S.H.
_____ 3,4 ____
_____ 3,4 ____

[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 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.

TRANSFER INSTITUTIONS (X) CREDITS
_____ _____
_____ _____
_____ _____
_____ _____
_____ _____
In Progress ( )_____ _____
Kean University( )_____ _____

ADDITIONAL REQUIREMENTS 8 S.H.
CPS 1231 Fund. of Comp.Science_____4_____
CPS 2231 Comp. Org. & Prog._____4_____

MAJOR REQUIREMENTS[3] 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_____

MAJOR ELECTIVES 12 S.H.
(With advisement from 3000-4000 level)
Math_____3_____
Math_____3_____
Math_____3_____
Math_____3_____

MAJOR/GE CAPSTONE COURSE[3]
Math 4890 Senior Seminar in Math WE__3_____

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.
_____ ____
_____ ____
_____ ____
_____ ____
_____ ____
_____ ____
_____ ____
_____ ____

(OVER)

[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

(78200) B.A. MATHEMATICAL SCIENCES

Comments:

Evaluator's Signature_____**Date**_____

Advisor's Signature_____**Date**_____

Advisor's Signature_____**Date**_____

Advisor's Signature_____**Date**_____

Advisor's Signature_____**Date**_____

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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

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 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

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.