KEAN UNIVERSITY
COLLEGE OF NATURAL, APPLIED AND HEALTH SCIENCES
(76199) B.A. IN EARTH SCIENCE (Teacher Certification Option) 127 S.H.
(Effective 9/02)

NAME______________________________
STUDENT I.D.#______________________
START TERM_______________________

ID 1001 Freshman Seminar\(^1\)___________ 1 ___

GENERAL EDUCATION & ADDITIONAL LIBERAL
ARTS REQUIREMENTS: 65 S.H.

GENERAL EDUCATION REQUIREMENTS: 44 S.H.
FOUNDATIONS REQUIREMENTS: 12 S.H.
ENG 1030 College Composition\(^1\) ________ 3
MATH 1000 Algebra for Coll. Students\(^2\) ________ 3
COMM 1402 Speech Communication As
Critical Citizenship\(^3\) ________ 3
GE 2024 Research & Technology ________ 3
____________________________________(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\(^4\) ________ 3 ___
Music or Theatre ________ 3 ___
Interdisciplinary ________ 3 ___

SOCIAL AND BEHAVIORAL SCIENCES 9 S.H.
*HIST 1000 History of Civil Society
in America ________ 3 ___
PSY 1000 General Psychology ________ 3 ___
SOC 1000 Or ANTH 1800 ________ 3 ___

SCIENCE & MATHEMATICS 11 S.H.
*MATH 1054 Precalculus\(^3,4\) ________ 3 ___
CHEM 1083 Chemistry I ________ 4 ___
BIO 1000 Prin of Biology\(^3\) ________ 4 ___

HEALTH / PHYSICAL EDUCATION 3 S.H.
ID 1225 Issues Contemp. Health ________ 3 ___

ADDITIONAL REQUIREMENTS\(^5\) 21 S.H.
MATH 2411 Calculus I OR
MATH 2412 Calculus II ________ 3 ___
CHEM 1084 Chemistry II ________ 4 ___
PHYS 2091 Gen. Physics I ________ 4 ___
PHYS 2092 Gen. Physics II ________ 4 ___
PSY 2110 Psych. Adolescence ________ 3 ___
One additional DIS or ID course ________ 3 ___

\(^1\) Required of all Freshmen and Transfers with fewer than 10 Credits.

\(^2\) See prerequisites and equivalencies on page 3.

\(^3\) Eng 1030 and IEL 2801 require a grade of B- or better; Comm 1402, Math and Laboratory Science requirements require a grade of C or better. “Additional Requirements” require a grade of C or better.

TRANSFER INSTITUTIONS (X) CREDITS
____________________________________
____________________________________
____________________________________
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In Progress ()

Kean University ()

MAJOR AND CAPSTONE REQUIREMENTS\(^6\): 31 S.H.
ASTR 1100 Intro to Astronomy ________ 4 ___
GEOL 1200 Intro to Geology ________ 4 ___
METR 1300 Intro to Meteorology ________ 4 ___
METR 2300 Climatology ________ 3 ___
GEOL 3266 Hydrology ________ 4 ___
OCEN 3453 Oceanography ________ 4 ___

(Select one of the following four courses)
GEOL 3261 Mineralogy ________ 4 ___
GEOL 3263 Structural Geology ________ 4 ___
GEOL 3264 Invert. Paleontology ________ 4 ___
GEOL 3265 Geomorphology ________ 4 ___

MAJOR/GE CAPSTONE COURSE\(^6\)
(Select either of the following)
**ES 4953-4954 E.S. Seminar I, II We 4 ___
OR
**ES 4963-4964 E.S. Hon Sem I, II We 4 ___

PROFESSIONAL EDUCATION: 30 S.H.
Grades of (B-) or better in professional education
Courses (and “Satisfactory” grades in IEL 3801 and
4801) required for students accepted to Kean
University as of January 1996.

Sophomore Level
IEL 2801 Intro Fld Exp Subj Area K-12\(^3\) 3 ___

Junior Level
EDUC 3000 Curr. Eval& Learner ________ 3 ___
EDUC 3401 Language Arts/Reading K-12\(^3\) 3 ___
IEL 3122 Computers in Education ________ 3 ___
IEL 3230 Science Ed. K-12 We ________ 3 ___
IEL 3801 Junior Field Exp. K-12 ________ 2 ___

Senior Level
IEL 4801 Prof Intern/Subj Area K-12 ________ 10 ___

Professional/GE Capstone Course:
EDUC 4000 Teacher and Classroom ________ 3 ___

(OVER)

\(^4\) 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 Education requirement and the student may take another 3 or
6 credits of liberal arts courses as free electives to total 127 S.H.

\(^5\) Credit granted only upon completion of two semesters of elementary
or intermediate foreign language.
A minimum grade of C in no more than two major courses. A grade of B- or higher in remaining major courses.

*Required Distribution Course
**3 credits satisfy the GE Capstone requirement.
NEW JERSEY REQUIRES A PASSING SCORE ON THE EARTH SCIENCE CONTENT KNOWLEDGE AND THE GENERAL SCIENCE CONTENT KNOWLEDGE PART 1 AREAS OF THE PRAXIS SERIES EXAM BEFORE CERTIFICATION IN EARTH SCIENCE. THE TEST SHOULD BE TAKEN IN THE SENIOR YEAR AND NOT MORE THAN (9) MONTHS PRIOR TO GRADUATION. REFER TO THE “NJ PRAXIS SERIES: PROFESSIONAL ASSESSMENTS FOR BEGINNING TEACHERS” REGISTRATION BULLETIN AND YOUR MAJOR DEPARTMENT FOR MORE INFORMATION.

Criteria for acceptance into Teacher Education Programs:

A. Minimum GPA of 2.75 (combined from all institutions of higher education attended).
B. Completion of the following courses/minimum grades:
   - ENG 1030 College Composition (minimum grade of B-)
   - COMM 1402 Speech Comm as Critical Citizenship (minimum grade of C)
   - IEL 2801 Introduction to Field Experience Subj. Area K-12 (minimum grade of B-)
   - Laboratory Science course (minimum grade of C)
   - Math requirement (minimum grade of C)
C. Completion of Speech/Language Screening test available from the Child Study Institute
D. All applicants must file a formal application with the office of the major department and have an admission interview with the program coordinator. Please contact Professor Jerry Weiner, Coordinator of the K-12 Secondary Education Program, Willis Hall, 109, (908) 527-2058.

Evaluator’s Signature_____________________________________________Date________________
Advisor’s Signature_______________________________________________Date________________
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Your major department is located in the Science Building (C), Room 323, phone (908) 737-3690.

YOU MUST BRING THIS EVALUATION AND YOUR KEAN UNIVERSITY
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

<table>
<thead>
<tr>
<th>Course</th>
<th>Prereq:</th>
<th>Equiv:</th>
</tr>
</thead>
<tbody>
<tr>
<td>ENG 1030</td>
<td>Placement testing</td>
<td>ENG 1031/32; 1033/34; 1430; ENG 1020; 1400</td>
</tr>
<tr>
<td>MATH 1000</td>
<td>Placement testing</td>
<td>MATH 1001/02; 1003/04; 1051</td>
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<tr>
<td>COMM 1402</td>
<td>CS 0411 or 0412 if required by placement testing</td>
<td>COMM 1400</td>
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<tr>
<td></td>
<td>ENG 1031/32; 1033/34</td>
<td></td>
</tr>
<tr>
<td></td>
<td>May be taken concurrently with ENG 1030</td>
<td></td>
</tr>
<tr>
<td></td>
<td>MATH 1000 or equivalent</td>
<td></td>
</tr>
<tr>
<td>GE 2021-2024</td>
<td>Research and Technology is offered as college-based course</td>
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<tr>
<td>GE 2021</td>
<td>College of BPA</td>
<td></td>
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<tr>
<td>GE 2022</td>
<td>College of ED</td>
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<tr>
<td>GE 2023</td>
<td>College of AHSS</td>
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<tr>
<td>GE 2024</td>
<td>College of NAHS</td>
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<td></td>
<td>Prereq: ENG 1030 or equivalent</td>
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<tr>
<td></td>
<td>MATH 1000 or equivalent</td>
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</tr>
<tr>
<td></td>
<td>Equiv: GE 2020</td>
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</tbody>
</table>

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.