**KEAN UNIVERSITY**  
**COLLEGE OF NATURAL, APPLIED and HEALTH SCIENCES**  
(76102) **B.A. in EARTH SCIENCE (Meteorology Option)** 124 S.H.  
(Effective: 9/02)  
require a grade of C or better.

<table>
<thead>
<tr>
<th>NAME _______________________________</th>
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<td>STUDENT I.D.# ________________________</td>
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<td>START TERM __________________________</td>
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| ID 1001 Freshman Seminar$^1$ | 1 |

**GENERAL EDUCATION REQUIREMENTS: 49-53 S.H.**

<table>
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<tr>
<th>FOUNDATIONS REQUIREMENTS$^2$: 12-15$^3$ S.H.</th>
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<tbody>
<tr>
<td>ENG 1030 College Composition$^4$</td>
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<tr>
<td>MATH 1000 Algebra for Coll. Students$^5$</td>
</tr>
<tr>
<td>COMM 1402 Speech Communication As Critical Citizenship</td>
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<tr>
<td>GE 2024 Research &amp; Technology</td>
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**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$^6$ | 3 |
Music or Theatre | 3 |
Interdisciplinary | 3 |

**SOCIAL SCIENCES 9 S.H.**
*HIST 1000 History of Civil Society in America | 3 |
PSY 1000 General Psychology | 3 |
(Economics or Geography) | 3 |
Political Science | 3 |
Sociology or Anthropology | 3 |
Interdisciplinary | 3 |

**SCIENCE & MATHEMATICS 11 S.H.**
*MATH 1054 Precalculus$^5$ | 3 |
PHYS 2095 Physics I | 4 |
PHYS 2096 Physics II | 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 |

$^1$Required of all Freshmen and Transfers with fewer than 10 Credits.  
$^2$See prerequisites and equivalencies on page 3.  
$^3$Additional 3 credit course paired with Reading may be required by placement testing.  
$^4$Eng 1030 College Comp, and all major courses and Capstone,  

**TRANSFER INSTITUTIONS (X) CREDITS**

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<tr>
<td>Kean University( )</td>
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**ADDITIONAL REQUIREMENTS: 11 S.H.**

| CPS 2231 Computer Org. & Prog. | 4 |
| MATH 3455 Differential Equations | 3 |
| GEOL 3266 Hydrology | 4 |

**MAJOR AND CAPSTONE REQUIREMENTS$^4$: 44-46 S.H.**

| ASTR 1100 Intro to Astronomy | 4 |
| OR |
| GEOL 1200 Intro to Geology | 4 |
| METR 1300 Intro. To Meteorology | 4 |
| METR 3370 Atmospheric Dynamics | 4 |
| METR 3371 Atmospheric Thermodyn. | 4 |
| METR 3372 Physical Meteorology | 3 |
| METR 3380 Meteor. Instrumentation | 4 |
| METR 4351 Synoptic Meteorology I | 4 |
| METR 4352 Synoptic Meteorology II | 4 |
| METR 4370 Adv. Atmos. Dynamics | 3 |

**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_ |

**MAJOR ELECTIVES$^4$ 6-8 S.H.**
(Selected with Departmental Advisement)

<table>
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<th>FREE ELECTIVES: 13-19 S.H.</th>
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<td>(50% of free electives must be taken at the 3000-4000 level)</td>
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$^5$ 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, either 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.  
$^6$ Credit granted only upon completion of both semesters of elementary
or intermediate foreign language. Three credits may be applied to Humanities and three credits may be applied to Free Electives. *Required Distribution Course.
**3 credits satisfy the GE Capstone requirement.
Your major department is located in the Science Building, Room 323, phone (908) 527-2064.

**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.

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.