

KEAN UNIVERSITY  
**COLLEGE OF NATURAL, APPLIED AND HEALTH SCIENCES**  
 (76199) **B.A. IN EARTH SCIENCE (Teacher Certification Option)** 127 S.H.  
 (Effective 9/06)

NAME _____ STUDENT I.D.# _____ START TERM _____	TRANSFER INSTITUTIONS (X) _____ CREDITS _____ _____ _____ _____ _____ In Progress ( ) _____ Kean University( ) _____
---	--

**GENERAL EDUCATION & ADDITIONAL LIBERAL**

**ARTS REQUIREMENTS:** 66 S.H.

**GENERAL EDUCATION REQUIREMENTS:** 45 S.H.

**FOUNDATIONS REQUIREMENTS<sup>1</sup>:** 13 S.H.

GE 1000 Transition to Kean<sup>2</sup> \_\_\_\_\_ 1 \_\_\_\_\_  
 ENG 1030 College Composition<sup>3</sup> \_\_\_\_\_ 3 \_\_\_\_\_  
 MATH 1000 Algebra for Coll. Students<sup>4</sup> \_\_\_\_\_ 3 \_\_\_\_\_  
 COMM 1402 Speech Communication As  
                   Critical Citizenship<sup>3</sup> \_\_\_\_\_ 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<sup>5</sup> \_\_\_\_\_ 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<sup>3&4</sup> \_\_\_\_\_ 3 \_\_\_\_\_  
 CHEM 1083 Chemistry I \_\_\_\_\_ 4 \_\_\_\_\_  
 BIO 1000 Prin of Biology<sup>3</sup> \_\_\_\_\_ 4 \_\_\_\_\_  
 \_\_\_\_\_

**HEALTH / PHYSICAL EDUCATION 3 S.H.**

ID 1225 Issues Contemp. Health \_\_\_\_\_ 3 \_\_\_\_\_

**ADDITIONAL REQUIREMENTS<sup>3</sup> 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 \_\_\_\_\_

<sup>1</sup> See prerequisites and equivalencies on page 3.

<sup>2</sup> Required of all Freshmen and Transfers with fewer than 10 Credits.

<sup>3</sup> Eng 1030, COMM 1402, and EMSE 2801 require a grade of B- or better; Math and Laboratory Science requirements require a grade of C or better. "Additional Requirements" require a grade of C or better.

**MAJOR AND CAPSTONE REQUIREMENTS<sup>6</sup>:** 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 \_\_\_\_\_  
 GEOL 3263 Structural Geology \_\_\_\_\_  
 GEOL 3264 Invert. Paleontology \_\_\_\_\_  
 GEOL 3265 Geomorphology \_\_\_\_\_ 4 \_\_\_\_\_

**MAJOR/GE CAPSTONE COURSE<sup>6</sup>**

(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 EMSE 3801 and EMSE 4801) required for students accepted to Kean University as of January 1996.

**Sophomore Level**

EMSE 2801 Intro Fld Exp Subj Area K-12<sup>3</sup> \_\_\_\_\_ 3 \_\_\_\_\_

**Junior Level**

EDUC 3000 Curr. Eval& Learner \_\_\_\_\_ 3 \_\_\_\_\_  
 EDUC 3401 Language Arts/Reading K-12\_3 \_\_\_\_\_  
 EMSE 3122 Computers in Education \_\_\_\_\_ 3 \_\_\_\_\_  
 EMSE 3230 Science Ed. K-12 WE \_\_\_\_\_ 3 \_\_\_\_\_  
 EMSE 3801 Junior Field Exp. K-12 \_\_\_\_\_ 2 \_\_\_\_\_  
 EDUC 3903 Eng Lang Learn in Amer\* \_\_\_\_\_ 1 \_\_\_\_\_  
 (\*take with EMSE 3801)

**Senior Level**

EMSE 4801 Prof Intern/Subj Area K-12<sup>7</sup> \_\_\_\_\_ 9 \_\_\_\_\_

**Professional/GE Capstone Course:**

EDUC 4000 Teacher and Classroom \_\_\_\_\_ 3 \_\_\_\_\_

(OVER)

<sup>4</sup> 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.

<sup>5</sup> Credit granted only upon completion of two semesters of elementary or intermediate foreign language.

<sup>6</sup> A minimum grade of C in no more than two major courses. A grade of B- or higher in remaining major courses.

<sup>7</sup> Prerequisite: Passing Score on appropriate Praxis II test. See reverse side for additional information.

\*Required Distribution Course

\*\*3 credits satisfy the GE Capstone requirement.

(76199) B.A. in Earth Science (Teacher Certification Option)

Comments:

NEW JERSEY REQUIRES A PASSING SCORE ON THE PRAXIS II EXAMS, EARTH AND SPACE SCIENCES: CONTENT KNOWLEDGE AND GENERAL SCIENCE: CONTENT KNOWLEDGE PART 1 AS PARTIAL FULFILLMENT OF CERTIFICATION REQUIREMENTS IN EARTH SCIENCE.

THE TESTS MUST BE TAKEN AND PASSED **PRIOR TO** EMSE 4801 PROFESSIONAL FIELD INTERNSHIP (STUDENT TEACHING). **ALSO, PASSING PRAXIS II SCORES MUST BE ON FILE IN THE TEACHING PERFORMANCE CENTER OF KEAN UNIVERSITY (WILLIS HALL 110) BEFORE TAKING EMSE 4801.** PASSING PRAXIS II SCORES IN EACH AREA OF CERTIFICATION ARE DETERMINED BY THE NJ STATE DEPARTMENT OF EDUCATION AND ARE SUBJECT TO CHANGE.

PLEASE REFER TO THE "NJ PRAXIS SERIES: PROFESSIONAL ASSESSMENTS FOR BEGINNING TEACHERS" AND CONSULT 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 B-)
  - EMSE 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 Linda Cahir, Coordinator of the K-12 Secondary Education Program, Willis Hall, 105, (908) 737-4234.

<u>Evaluator's Signature</u>	<u>Date</u>
<u>Advisor's Signature</u>	<u>Date</u>
<u>Advisor's Signature</u>	<u>Date</u>
<u>Advisor's Signature</u>	<u>Date</u>
<u>Advisor's Signature</u>	<u>Date</u>
<u>Advisor's Signature</u>	<u>Date</u>
<u>Advisor's Signature</u>	<u>Date</u>
<u>Advisor's Signature</u>	<u>Date</u>
<u>Advisor's Signature</u>	<u>Date</u>

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 TRANSCRIPT TO ALL ADVISING/REGISTRATION SESSIONS**

**ADDITIONAL MAJOR INFORMATION AND REQUIREMENTS**

GEHU Humanities  
GESS Social Sciences  
GESM Science and Mathematics  
GEHPE Health and Physical Education  
GECF 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 GECF 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.

**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 GECF.