

**KEAN UNIVERSITY**  
**COLLEGE OF NATURAL, APPLIED AND HEALTH SCIENCES**  
**(70300) B.S. IN BIOLOGY (General Option) 124 S.H.**  
**(EFFECTIVE: 9/02)**

BIO 4970 Seminar Int. Bio. \_\_\_\_\_ 3 \_\_\_\_\_

NAME \_\_\_\_\_  
 STUDENT I.D.# \_\_\_\_\_  
 START TERM \_\_\_\_\_

\*Required Distribution Course.  
 See reverse side for additional notes.

TRANSFER INSTITUTIONS (X) \_\_\_\_\_ CREDITS \_\_\_\_\_

ID 1001 Freshman Seminar<sup>1</sup> \_\_\_\_\_ 1 \_\_\_\_\_

In Progress ( ) \_\_\_\_\_  
 Kean University ( ) \_\_\_\_\_

**GENERAL EDUCATION REQUIREMENTS: 52-53 S.H.**

**FOUNDATIONS REQUIREMENTS<sup>2</sup>: 12 S.H.**

ENG 1030 Composition<sup>3</sup> \_\_\_\_\_ 3 \_\_\_\_\_  
 MATH 1000 College Algebra<sup>4</sup> \_\_\_\_\_ 3 \_\_\_\_\_  
 COMM 1402 Speech Communication As  
 Critical Citizenship \_\_\_\_\_ 3 \_\_\_\_\_  
 GE 2024 Research & Technology \_\_\_\_\_ 3 \_\_\_\_\_

**ADDITIONAL REQUIREMENTS 15 S.H.**

CHEM 3183 Organic Chem. Lab. I \_\_\_\_\_ 2 \_\_\_\_\_  
 CHEM 3184 Organic Chem. Lab. II \_\_\_\_\_ 2 \_\_\_\_\_  
 MATH 2411 Calculus I \_\_\_\_\_ 3 \_\_\_\_\_  
 PHYS 2091 General Physics I \_\_\_\_\_ 4 \_\_\_\_\_  
 PHYS 2092 General Physics II \_\_\_\_\_ 4 \_\_\_\_\_

**DISCIPLINARY & INTERDISCIPLINARY 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 \_\_\_\_\_

**MAJOR REQUIREMENTS<sup>3</sup> 49-50 S.H.**

**REQUIRED COURSES IN BIOLOGY 35 S.H.**

BIO 2200 Cell Biology \_\_\_\_\_ 4 \_\_\_\_\_  
 BIO 2400 Genes, Organisms, Populations<sup>4</sup> \_\_\_\_\_ 4 \_\_\_\_\_  
 BIO 2500 Principles of Botany \_\_\_\_\_ 4 \_\_\_\_\_  
 BIO 2900 Computer Applications Bio. \_\_\_\_\_ 3 \_\_\_\_\_  
 BIO 3400 Zoology Form & Function<sup>7</sup> \_\_\_\_\_ 4 \_\_\_\_\_  
 BIO 3614 Principles of Ecology WE \_\_\_\_\_ 4 \_\_\_\_\_  
 BIO 3704 Principles of Genetics \_\_\_\_\_ 3 \_\_\_\_\_  
 BIO 3705 Principles of Genetics Lab \_\_\_\_\_ 2 \_\_\_\_\_  
 BIO 4105 Essentials of Biochem WE \_\_\_\_\_ 4 \_\_\_\_\_  
 BIO 4835 Biostatistics \_\_\_\_\_ 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 14-15 S.H.**

(Selected with departmental advisement at 3000 or 4000 level.)

\_\_\_\_\_ 4 \_\_\_\_\_  
 \_\_\_\_\_ 4 \_\_\_\_\_  
 \_\_\_\_\_ 3 \_\_\_\_\_  
 \_\_\_\_\_ 3 \_\_\_\_\_

**SCIENCE & MATHEMATICS 11 S.H.**

\*MATH 1054 Precalculus<sup>4</sup> \_\_\_\_\_ 3 \_\_\_\_\_  
 \_\_\_\_\_  
 CHEM 1083 Chemistry I<sup>6</sup> \_\_\_\_\_ 4 \_\_\_\_\_  
 \_\_\_\_\_  
 CHEM 1084 Chemistry II<sup>6</sup> \_\_\_\_\_ 4 \_\_\_\_\_  
 \_\_\_\_\_

**FREE ELECTIVES 5-7 S.H.**

(50% at the 3000-4000 level)

\_\_\_\_\_ \_\_\_\_\_  
 \_\_\_\_\_ \_\_\_\_\_  
 \_\_\_\_\_ \_\_\_\_\_

**HEALTH / PHYSICAL EDUCATION 2,3 S.H.**

ID 1225 Issues Contemp. Health \_\_\_\_\_ 3 \_\_\_\_\_  
 OR  
 Physical Education \_\_\_\_\_ 1 \_\_\_\_\_  
 Physical Education \_\_\_\_\_ 1 \_\_\_\_\_

**CONCENTRATION 6 S.H.**

CHEM 3181 Organic Chem. Lec. I \_\_\_\_\_ 3 \_\_\_\_\_  
 CHEM 3182 Organic Chem. Lec. II \_\_\_\_\_ 3 \_\_\_\_\_

(OVER)

**MAJOR/GE CAPSTONE COURSE<sup>3</sup> 3 S.H.**

(70300) B.S. IN BIOLOGY (General Option)

NOTES:

1. Required of all Freshmen and Transfers with fewer than 10 credits.
2. See prerequisites and equivalencies on page 3.
3. A grade of "C" or better must be earned in Eng. 1030, Major Requirements, and Capstone.
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, either Math 1054 or Math 2411 will count as the General Education requirement and the student must take another 3 or 6 credits as Free Electives to complete 124 S.H.
5. 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.
6. A grade of "C" or better must be earned in CHEM 1083-84; prerequisite to CHEM 3181.
7. Students enrolled before 9/96 may substitute BIO 3414 (Invertebrates) or BIO 3425 (Vertebrates).

GRADE POINT AVERAGE (GPA) REQUIREMENT FOR THE MAJOR

As of January 1, 2001, the Department of Biological Sciences has formally adopted the following standard for all options of the Biology major:

1. Minimum cumulative GPA of 2.5 at the time of application for acceptance as a declared Major.
2. Minimum cumulative GPA of 2.5 must be maintained in order to remain in the Biology Major.

**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 _____

Your major department is located in Science Building (C), Room 123, phone (908)737-3650.

**YOU MUST BRING THIS EVALUATION AND YOUR KEAN UNIVERSITY TRANSCRIPT TO ALL ADVISING/REGISTRATION SESSIONS.**