KEAN UNIVERSITY
COLLEGE OF NATURAL, APPLIED AND HEALTH SCIENCES
(70303) B.S. IN BIOLOGY (Biotechnology Option) 124 S.H.
(EFFECTIVE: 9/09)

NAME_____________________________________________________
STUDENT I.D. #_____________________________________________
START TERM_____________________________________________

GENERAL EDUCATION REQUIREMENTS: 35 S.H.

FOUNDATIONS REQUIREMENTS1: 13 S.H.
GE 1000 Transition to Kean2_______ 1_____
ENG 1030 Composition_______ 3_____
MATH 1000 College Algebra_______ 3_____
COMM 1402 Speech Communication As Critical Citizenship_______ 3_____
GE 2024 Research & Technology_______ 3_____

DISCIPLINARY & INTERDISCIPLINARY REQUIREMENTS:

HUMANITIES 6 S.H.  
*ENG 2403 World Literature_______ 3____
(Select one course from below)
Fine Arts or Art History_______ 3____
Philosophy or Religion_______ 3____
Foreign Languages_______ 3____
Music or Theatre_______ 3____
Interdisciplinary_______ 3____

SOCIAL SCIENCES 6 S.H.
*HIST 1000 History of Civil Society in America_______ 3____
(Select one course from below)
Economics or Geography_______ 3____
Political Science_______ 3____
Psychology_______ 3____
Sociology or Anthropology_______ 3____
Interdisciplinary_______ 3____

SCIENCE & MATHEMATICS 7 S.H.
*MATH 1054 Precalculus_______ 3____
CHEM 1083 Chemistry I_______ 4____

MAJOR/GE CAPSTONE COURSE3 3 S.H.
BIO 4970 Seminar Int. Bio._______ 3____

ADDITIONAL REQUIREMENTS 25 S.H.
CHEM 1084 Chemistry II_______ 4____
CHEM 2581 Organic Chem. Lec. I_______ 3____
CHEM 2582 Organic Chem. Lec. II_______ 3____
CHEM 2583 Organic Chem. Lab. I_______ 2____
CHEM 2584 Organic Chem. Lab. II_______ 2____
MATH 2411 Calculus I_______ 3____
PHYS 2091 General Physics I_______ 4____
PHYS 2092 General Physics II_______ 4____

TRANSFER INSTITUTIONS (X) CREDITS
_____________________________________________________
_____________________________________________________
_____________________________________________________
_____________________________________________________

In Progress ( ) Kean University ( )

MAJOR REQUIREMENTS3 40 S.H.

REQUIRED COURSES IN BIOLOGY 29 S.H.
BIO 2200 Cell Biology_______ 4____
BIO 2400 Genes, Org., Populations_______ 4____
BIO 3305 Prin of Microbiology WE_______ 4____
BIO 3704 Prin of Genetics_______ 3____
BIO 3705 Prin of Genetics Lab_______ 2____
BIO 3820 Basic Tissue Culture_______ 4____
BIO 4105 Essentials of Biochem WE_______ 4____
BIO 4700 Molecular Genetics_______ 4____

PROGRAM RELATED ELECTIVES: 11 S.H.
(To be selected with advisement)
BIO 2500 Prin of Botany_______ 4____
BIO 3260 Intro to Histology_______ 4____
BIO 3614 Prin of Ecology_______ 4____
BIO 4200 Prep Tech Electron Micro_______ 4____
BIO 4225 Cell Physiology_______ 4____
BIO 4310 Virology_______ 4____
BIO 4315 Immunology_______ 4____
BIO 4325 Applied Microbiology_______ 3____
BIO 4455 Developmental Biology_______ 4____
BIO 4575 Plant Physiology_______ 4____
BIO 4615 Applied Ecology_______ 3____
BIO 4704 Molecular Biology of Genes_______ 3____
BIO 4961 Independent Research_______ 1____
BIO 4962 Independent Research_______ 2____
BIO 4963 Independent Research_______ 3____
BIO 4395-4398 Coop Educ in Biology_______ 6____
CPS 1031 Intro to Computers_______ 3____
MATH 2026 Stat Decision Theory_______ 3____
CHEM 3284 Instrumental Meth Analysis_______ 3____
CHEM 4285 Chem Separation Methods_______ 3____

FREE ELECTIVES: 24 S.H.
(50% at the 3000-4000 level)
_____________________________________________________
_____________________________________________________
_____________________________________________________
_____________________________________________________
_____________________________________________________

(OVER)

*Required Distribution Course.
See reverse side for additional notes.
(70303) B.S. IN BIOLOGY (Biotechnology Option)

NOTES:
1. See prerequisites and equivalencies on page 3.
2. Required of all Freshmen and Transfers with fewer than 10 credits.
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 in Free Electives to total 124 s.h.
5. Credit granted only upon completion of both semesters of elementary or intermediate foreign language. Three credits may be applied in Humanities and three credits may be applied to Free Electives.
6. A grade of "C" or better must be earned in CHEM 1083-1084; prerequisite to CHEM 3181.

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 the Science Building (C), Room 123, phone (908)737-3650.

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