KEAN UNIVERSITY
COLLEGE OF NATURAL, APPLIED AND HEALTH SCIENCES
(70303) B. S. IN BIOLOGY (Biotechnology Option) 124 S.H.
(EFFECTIVE: 9/02)

NAME______________________________
STUDENT I.D.#______________________
START TERM_________________________

ID 1001 Freshman Seminar[1] ________ 1 ___

GENERAL EDUCATION REQUIREMENTS: 52-53 S.H.

FOUNDATIONS REQUIREMENTS[2]: 12 S.H.
ENG 1030 Composition[3] _____________ 3 ____
MATH 1000 College Algebra[4] _________ 3 ____
COMM 1402 Speech Communication As Critical Citizenship ____ 3 ____
GE 2024 Research & Technology ____ 3 ____

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[5]__________________ 3 ____
Music or Theatre___________________ 3 ____
Interdisciplinary__________________ 3 ____

SOCIAL SCIENCES 9 S.H.
*HIST 1000 History of Civil Society in America______________ 3 ____
(Select two courses from different areas)
Economics or Geography_____________ 3 ____
Political Science__________________ 3 ____
Psychology_________________________ 3 ____
Sociology or Anthropology__________ 3 ____
Interdisciplinary__________________ 3 ____

SCIENCE & MATHEMATICS 11 S.H.
*MATH 1054 Precalculus[4]______________ 3 ____
CHEM 1083 Chemistry I[6]______________ 4 ____
CHEM 1084 Chemistry II[6]_____________ 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.
CHEM 3181 Organic Chem. Lec. I_____ 3 ____
CHEM 3182 Organic Chem. Lec. II____ 3 ____

MAJOR/GE CAPSTONE COURSE[3] 3 S.H.
BIO 4970 Seminar Int. Bio. ____ 3 ____

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

TRANSFER INSTITUTIONS (X)	CREDITS
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In Progress ( ) ____________	________
Kean University ( ) __________	________

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 ___

MAJOR REQUIREMENTS[3] 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 Analysis4 ___
CHEM 4285 Chem Separation Methods___3 ___

FREE ELECTIVES: 15-16 S.H.
(50% at the 3000-4000 level)
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____________________________________3 ___

____3 ____

____3 ____

____3 ____

(OVER)

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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 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.