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 REQUIREMENTS[1]: 13 S.H.

GE 1000 Transition to Kean[2]	_____	1	____
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 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[5]	_____	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[4]	_____	3	____
CHEM 1083 Chemistry I[6]	_____	4	____

MAJOR/GE CAPSTONE COURSE[3] 3 S.H.

BIO 4970 Seminar Int. Bio.	____	3	____

ADDITIONAL REQUIREMENTS 25 S.H.

CHEM 1084 Chemistry II[6]	_____	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 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 Analysis		4	____
CHEM 4285 Chem Separation Methods	___	3	____

FREE ELECTIVES: 24 S.H.

(50% at the 3000-4000 level)

_____	3	____
_____	3	____
_____	3	____
_____	3	____
_____	3	____
_____	3	____
_____	3	____
_____	3	____

.*Required Distribution Course.

See reverse side for additional notes.

(OVER)

(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.