## KEAN UNIVERSITY

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

		TRANSFER INSTITUTIONS (X)	CREDITS	
NAME			Contract of the Contract of th	
STUDENT I.D.#				
START TERM_				
		2		
	25 6 11	T- P		
GENERAL EDUCATION REQUIREM	<u>4ENTS</u> : 35 S.H.	In Progress ( )		
-1		Kean University ( )		
FOUNDATIONS REQUIREMENTS <sup>1</sup> :  GE 1000 Transition to Kea	13 S.H.			
GE 1000 Transition to Kea	in' 1		40 0 **	
ENG 1030 Composition <sup>3</sup> MATH 1000 College Algebra	3	MAJOR REQUIREMENTS <sup>3</sup> REQUIRED COURSES IN BIOLOGY	40 S.H.	
MATH 1000 College Algebra	ı* 3	REQUIRED COURSES IN BIOLOGY	29 S.H.	
COMM 1402 Speech Communic		BIO 2200 Cell Biology	4	
Critical Citize	enship 3	BIO 2400 Genes, Org., Popula	tions4	
GE 2024 Research & Technology 3		BIO 3305 Prin of Microbiology WE4		
		BIO 3704 Prin of Genetics_		
DISCIPLINARY & INTERDISCIE		BIO 3705 Prin of Genetics	Lab2	
REQUIREMENTS: HUMANITIES *ENG 2403 World Literature		BIO 3820 Basic Tissue Cult	ure4	
HUMANITIES	6 S.H.	BIO 4105 Essentials of Bio		
*ENG 2403 World Literature	3	BIO 4700 Molecular Genetic	s4	
(Select one course from be	elow)			
Fine Arts or Art History_	3	PROGRAM RELATED ELECTIVES:	11 S.H.	
Philosophy or Religion	3	(To be selected with advisement)		
Foreign Languages <sup>3</sup>	3	BIO 2500 Prin of Botany	4	
Music or Theatre Interdisciplinary	3	BIO 3260 Intro to Histolog		
Interdisciplinary	3	BIO 3614 Prin of Ecology	4	
		BIO 4200 Prep Tech Electro	n Micro4	
SOCIAL SCIENCES	6 S.H.	BIO 4225 Cell Physiology	4	
*HIST 1000 History of Civi	il Society	BIO 4310 Virology	4	
in America	3	BIO 4315 Immunology	4	
(Select one course from be		BIO 4325 Applied Microbiol	ogy3	
Economics or Geography 3		BIO 4455 Developmental Biology4		
Political Science 3		BIO 4575 Plant Physiology_	4	
Psychology3		BIO 4615 Applied Ecology	BIO 4615 Applied Ecology3	
Sociology or Anthropology 3		BIO 4704 Molecular Biology of Genes_3		
Sociology or Anthropology3 Interdisciplinary3		BIO 4961 Independent Research1		
		BIO 4962 Independent Reseat	rch2	
SCIENCE & MATHEMATICS	7 S.H.	BIO 4963 Independent Resear	rch3	
*MATH 1054 Precalculus <sup>4</sup>	3	BIO 4395-4398 Coop Educ in	Biology6	
*MATH 1054 Precalculus <sup>4</sup> CHEM 1083 Chemistry I <sup>6</sup>	4	CPS 1031 Intro to Computer	s3	
		MATH 2026 Stat Decision Th	eory3	
MAJOR/GE CAPSTONE COURSE3	зен	CHEM 3284 Instrumental Met	n Analysis4	
BIO 4970 Seminar Int. Bio		CHEM 4285 Chem Separation	Methods3	
BIO 4970 Beninai inc. Bio	•			
		FREE ELECTIVES:	24 S.H.	
ADDITIONAL DECLIDENCE	25 0 77	(50% at the 3000-4000 level)		
ADDITIONAL REQUIREMENTS  CHEM 1084 Chemistry II <sup>6</sup>	25 S.H.		3	
		-	3	
CHEM 2581 Organic Chem. L			2	
CHEM 2582 Organic Chem. L	ec. II 3	-		
CHEM 2583 Organic Chem. I	Z			
CHEM 2584 Organic Chem. I			3	
MATH 2411 Calculus I			_	
PHYS 2091 General Physics			3	
PHYS 2092 General Physics	5 II 4			

(OVER)

<sup>.\*</sup>Required Distribution Course.

## (70303) B.S. IN BIOLOGY (Biotechnology Option)

#### MOTES .

- 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.
- 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

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.