MILLERSVILLE UNIVERSITY

Student Name:		Student I.D.#									
DEGREE: BS		MAJOR REQUIREMENTS FOR A BS DEGREE IN BIOLOGY: MOLECULAR/BIOTECHNOLOGY									
MAJOR:	BIOL	Total credit hours required: 120.0 minimum									
OPTION:	MOL										
	REQUIREMENTS AND POLICIES FOR THE BS BIOLOGY MAJOR										
A. Policies for Admission to the Major											
1. New students (freshmen and transfers) must be admitted to the Biology major by the											
	Office of Admissions upon admission to the University.										
	Admission of Millersville University students to the Biology major (from other departments or undeclared status) requires that the student is in satisfactory academic standing as described										
	in the Undergraduate Catalog. Students who were dropped from a Biology major must satisfy th										
Biology Retention in the Major criteria before being readmitted to a Biology major.											
	-	and continuing education students must be admitted to the Biology major of Admissions.									
	•	ention in the Major									
		equirements for retention must be met.									
		najors must earn grades of C- (C minus) or higher in all core courses (BIOL 101, 211, 52, 364) required for their option.									
3.	3. The requirements stated above must be satisfied before completion of 90 Millersville										
	University cr										
4.		Iniversity students changing majors, or Biology majors changing options within major, must satisfy the above requirements prior to completion of 45 additional									
	•••	University credit hours. Note: Students who desire to change their major to									
	•••	t refer to the Biology department's Admission to the Major Policy. Those transferring									
	into the majo in this cours	or may substitute BIOL 100 for BIOL 101 if they earn a grade of B- (B minus) or higher									
5.		dents with 60 credit hours or more must satisfy the above requirements prior to									
	completion	of 45 Millersville University credit hours. Transfer students with fewer than 60 uld refer to the policy for all other majors (part #3 above).									
	Any students	s failing to meet the above requirements will be dropped from the Biology major.									
		no wish to re-enter the major, must follow the requirements stipulated in part 4 above.									
		npletion of the Major									
	•	of all University curricular requirements. Technical Writing, is the recommended course for the Upper Level Writing									
		t under the General Education Curriculum Requirements.									

Note to the student: This form is provided as a guide. It is your responsibility to consult regularly with your adviser to be aware of changes and curriculum details which are not incorporated on this form.

MAJOR SEQUENCE AND DEGREE REQUIREMENTS

Maior:	BS	BIOL	OGY.

Option Major	: MO I Field	LECULAR/BIOTECHN Requirements: 39.0 cro irements: 39.0-43.0 cro	dits	Y		courses m	ay	able, up to six of the R be credited toward th tribution rules.			
Course No		Short Title	C.H.	Grade	Q.P.	Course No.		Short Title	C.H.	Grade	Q.P.
REQUIE BIOL BIOL BIOL BIOL BIOL BIOL BIOL BIOL	RED I 101 211 343 362 364 RED I 462 466 472 GY EL ultatic 00-lev total nende	BIOLOGY COURSES (Foundations of Biolog Concepts of Zoology Concepts of Botany Ecology & Evolution Cell & Development Genetics & Mol. Biology MOL/BIOLTECH COUR Molecular Biology Molecular/Cell Tech Seminar in Biology(Mol) ECTIVES (6.0-7.0 cre on with your advisor, ch vel or higher and appro BIOL credits to 39. The	24.0 cr y 4.0 4.0 4.0 4.0 y 4.0 xSES (4.0 3.0 1.0-2.0 dits) oose a ved for e follow 4.0	(8.0-9.0 (1.0) (2.	credits)	RE Chemistry CHEM 11 CHEM 11 CHEM 23 CHEM 23 CHEM 32 CHEM 32 CHEM 32 BIOL/CHE 324 NOTE: A s completing in addition may comp (Quantitati and 232. *Must earr ing CHEM	y (2 1* 2* 32 26** 27 50 50 50 50 50 50 50 50 50 50 50 50 50	24.0 credits) Intro to Chemistry I Intro to Chemistry II Organic Chemistry II Organic Chemistry II Organic Chemistry II AND Biochemistry II OR Plant Biochemistry dent may complete a E HEM 328 (Analytical I all the above Chemis e a Chemistry minor b Analysis) in addition t	4.0 4.0 4.0 4.0 4.0 4.0 4.0 4.0 3iochem Biochem by comp o CHEM courses	credits)	nor by boratory) a student IEM 265 2, 231 omplet-
BIOL BIOL BIOL BIOL	467	Human Genetics	3.0 			MATH 16 MATH 16 MATH* CSCI* *Note: Only CSCI cours fulfill these Physics (8 PHYS 13 PHYS 13 PHYS 23 PHYS 23	1 3 	& Computer Scienc Calculus I or Honors Calculus AND AND or AND IATH courses number a numbered 140 or abo quirements. - 10.0 credits) Physics I with Algebra Physics I with Algebra Physics II with Algebra Physics II with Algebra Physics II with Calculus Phys I with Calculus Ctives (As necessary	4.0 5.0 4.0 red 160 ove may a 4.0 a 4.0 5.0 5.0	 or above	 e OR