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BA: Biology — BioScience Option (122 S.H. required to complete the degree)

Name:_____ Adviser:_____

General Education Requirements (43 S.H.)

COMMUNICATION SKILLS (3 S.H.) Choose one of the following: COM 160 Public Speaking, COM 161 Decision Making in Groups, COM 162 Interpersonal Communication **or** COM 163 Introduction to Communication Skills		
COM:	3	
WRITING INTENSIVE (W) All students must complete at least one writing intensive course. W courses can be found in several disciplines. The credits will be counted in the discipline associated with the course. *NOTE: WRT101 does not satisfy the writing intensive requirement.*		
Course:	Y/N	
FOREIGN LANGUAGE All biology majors must complete a foreign language requirement. This may be done by completing a language at an elementary II level or above. Students who have completed three years of language in high school with at least a C average have satisfied this requirement. (For more info, click the link above.)		
Foreign Language Requirement Met?	Y / N	
HUMANITIES (15 S.H.) Humanities courses can be found in Art, Communication, English, Foreign Languages, History, Humanistic Studies, Music, Philosophy, Theatre and Writing. Students may only use one studio course to satisfy this requirement. You must complete courses in at least 3 areas. *NOTE: You must complete the foreign language requirement (Elementary II or higher) before counting Elementary I foreign language courses as Humanities credit.*		
Elective:	3	
Elective:	3	
Elective:	3	
Elective:	3	
Elective:	3	
SOCIAL AND BEHAVIORAL SCIENCES (12 S.H.) Courses that satisfy this requirement can be found in Social Sciences (Anthropology, Economics, Political Science, Social Sciences, and Sociology), Non-Western Cultures, and Psychology. *You must select courses from at least 2 of the 3 main areas: Social Sciences, Psychology and Non-Western Cultures.*		
Elective:	3	
Elective:	3	
Elective:	3	
Elective:	3	
NATURAL SCIENCES, MATHEMATICS & COMPUTER SCIENCE (11 S.H.) Students must complete the specified lab Science courses and one math course in this category. *NOTE: MAT 100 does not satisfy this requirement.*		
CHE110 General Chemistry I	4	
CHE111 General Chemistry II	4	
Math Elective:	3	
HEALTH PROMOTION AND EXERCISE SCIENCES (2 S.H.)		
HPX 177 Fitness for Life — Lecture	1	
HPX 177 Fitness for Life — Activity	1	

*Biology Majors are required to take the Science courses specified above for the general education requirements. This means that your general education semester hour total is 43 instead of the average 42.

Major Requirements (51-52 S.H.)

BIO 103 General Biology I (Fall)	4	
BIO 104 General Biology II (Spring)	4	
BIO 200 Ecology (Fall)	4	
BIO 205 Animal Physiology (Spring)	4	
BIO 310 Vertebrate Embryology **or** BIO 311 Developmental Biology (both courses Fall only)	4	
BIO 312 Genetics (Fall)	4	
BIO 325 Evolutionary Biology (Spring)	3	
BIO 360 Scientific Communication	2	
BIO 480 Group Senior Research **or** BIO 490 Senior Research	3	
BIOLOGY MAJOR ELECTIVES 200-level or above (9-12 S.H.)		
BIO Elective:	3—4	
BIO Elective:	3—4	
BIO Elective:	3—4	
SCIENCE/MATH COURSES chosen with department approval (12 S.H.)		
Approved Course:	3-4	
Approved Course:	3-4	
Approved Course:	3-4	
Approved Course:	3-4	
FREE ELECTIVES (26-28 S.H.)		
Elective:		
Elective:		
Elective:		
Elective:		
Elective:		
Elective:		
Elective:		
Elective:		
Elective:		

Free electives offer an opportunity to complete a minor, study a second language, study abroad, or participate in an internship. Make a plan.

NOTES

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Four-Year Plan This is a sample sequence of courses. Other combinations are possible.

Pre-requisites are in parentheses; see catalog for details.
Class standing by credit: Freshman: 0-29 credits; Sophomore: 30-59 credits; Junior: 60-89 credits; Senior: 90+ credits

FIRST YEAR (28 S.H.)	SEMESTER 1 (14 S.H.)			SEMESTER 2 (14 S.H.)		
	BIO 103 General Biology I (MAT and WRT 098, or placement test)	4		BIO 104 General Biology II (≥ C in BIO 103)	4	
	CHE 110 General Chemistry I (Placement test or ≥ C in CHE 100)	4		CHE 111 General Chemistry II (CHE 110)	4	
	MAT 100 **or** Gen Ed Math	3		Gen Ed: Math **or** Gen Ed: Humanities	3	
	WRT 101 Composition I: Habit of Writing	3		Writing Intensive in Humanities **or** Social & Behavioral Sciences	3	

SECOND YEAR (33-34 S.H.)	SEMESTER 3 (17 S.H.)			SEMESTER 4 (16-17 S.H.)		
	BIO 200 Ecology (BIO 103 & 104)	4		BIO 205 Animal Physiology (BIO 104 **or** 110)	4	
	CHEM 210 Organic Chemistry (CHE 110 & 111)	4		Biology Elective	3 – 4	
	Gen Ed: Communication Skills	3		Gen Ed:	3	
	Gen Ed: Humanities	3		Gen Ed: Social & Behavioral Sciences	3	
	Free Elective	3		Free Elective	3	

THIRD YEAR (30-33 S.H.)	SEMESTER 5 (16-17 S.H.)			SEMESTER 6 (14-16 S.H.)		
	BIO 312 Genetics (BIO 104 and Junior standing)	4		BIO 325 Evolutionary Biology (BIO 312)	3	
	BIO 310 Vertebrate Embryology **or** BIO 311 Dev. Biology	4		BIO 360 Scientific Communication (Junior Standing)	2	
	Science/Math Approved Elective	3 – 4		BIO Elective	3 – 4	
	Gen Ed: Humanities (Foreign Language)	3		Science/Math Approved Elective	3 – 4	
	HPX177 Fitness for Life (Lecture & Activity)	2		Gen Ed: Humanities (Foreign Language)	3	
	Complete a degree audit and plan for application for graduation					

FOURTH YEAR (30-34 S.H.)	SEMESTER 7 (15-17 S.H.)			SEMESTER 8 (15-17 S.H.)		
	BIO 480 Group Senior Research **or** BIO 490 Senior Research (BIO 360 and Senior standing)	3		BIO Elective **or** Free Elective	3 – 4	
	Free Elective	3		BIO 475 Climate Ecology (BIO 200)	3	
	BIO Elective	3 – 4		Gen Ed: Social & Behavioral Sciences **or** Free Elective	3	
	Gen Ed: Social & Behavioral Sciences	3		Gen Ed: Humanities **or** Free Elective	3	
	Free Elective	3		Free Elective	3	

The number of Free Electives available will vary based on your initial math, writing, and chemistry placement tests. MAT 100, WRT 101 and CHEM 100, if required, count as elective credit.

Because you have variable options (3 or 4 credit courses) it is important to keep track of your total semester hours to be sure you reach 122 by the end of your 4th semester.