

## ACADEMIC ROADMAP

### Biology BA Integrative Concentration Fall 2023

#### Freshman Year (30 credits)

##### FIRST SEMESTER

Course Title	Catalog Number	Prerequisite(s)
Foundations of Biology	BIO 111 ("C" or better)	
Introductory Chemistry or Functions and Modeling	CHE 110 ("C" or better) or MAT 114 ("C" or better)	
GE23 course		
GE 23 course		
College Writing I	CWP 101	

##### SECOND SEMESTER

Course Title	Catalog Number	Prerequisite(s)
Introductory Biology Series	BIO 211 or BIO 213	BIO 111 ("C" or better)
Fundamental of Chem 1 + lab (GE23 Science and Bio BS Req)	CHE 111 and CHE 113 (lab)	CHE 110 ("C" or better) or MAT 114 ("C" or better)
GE 23 course	(Recommend PSY 101, GE23 Social Science)	
GE 23 course		
College Writing II	CWP 102	CWP 101

#### Notes and recommendations:

Attend at least one faculty office hour; visit Academic Commons (Math & Writing Centers, tutoring); view your degree audit sheet in Degree Works

#### Sophomore Year (60 credits)

##### THIRD SEMESTER

Course Title	Catalog Number	Prerequisite(s)
Introductory Biology Series	BIO 211 or BIO 213	BIO 111 ("C" or better)
Fundamental of Chem II + lab	CHE 112 & CHE 114 (lab)	CHE 111 & CHE 112
GE23 course	Recommend PHI 111, GE23 Humanities)	
GE23 course		
All College Elective		

##### FOURTH SEMESTER

Course Title	Catalog Number	Prerequisite(s)
Biology upper-division elective	By advisement	
Biology upper-division elective	By advisement	
GE23 course		
GE23 course		

#### Notes and recommendations:

Form a study group; consider enrolling in a minor or certificate program

**Junior Year (90 credits)**

FIFTH SEMESTER

Course Title	Catalog Number	Prerequisite(s)
First writing-infused Biology elective (one of these four courses)	BIO 314 (Advanced Cell Biology) (spring only)	BIO 111 ("C" or better), 211, 213, CHE 111/113, CHE 112/114 & CHE 201
	BIO 315 (Ecology) (fall only)	BIO 111 ("C" or better), 211 & 213
	BIO 405 (Organic Evolution) (fall only)	BIO 111 ("C" or better), 211 & 213
	BIO 440 (Applications in Biotech) (fall only)	BIO 111 ("C" or better), 211, 213, CHE 111/113 & CHE 112/114
Biological Form, Function & Diversity	BIO 333 (fall only)	BIO 111 ("C" or better), 211 and 213
All College Elective		
All College Elective		
All College Elective		

SIXTH SEMESTER

Course Title	Catalog Number	Prerequisite(s)
Second writing-infused Biology elective (one of these four courses)	BIO 314 (Advanced Cell Biology) (spring only)	BIO 111 ("C" or better), 211, 213, CHE 111/113, CHE 112/114 & CHE 201
	BIO 315 (Ecology) (fall only)	BIO 111("C" or better), 211 & 213
	BIO 405 (Organic Evolution) (fall only)	BIO 111 ("C" or better), 211 & 213
	BIO 440 (Applications in Biotech) (fall only)	BIO 111 ("C" or better), 211, 213, CHE 111/113 & CHE 112/114
Biology upper-division elective	By advisement	
All College Elective		
All College Elective		

**Notes and recommendations:**

**To meet the degree requirement of 45 upper division credits, 5 of the courses designated GE23 or All College Electives must be upper division courses (300 to 400 level).**

Visit the Career and Professional Education Center; talk to your faculty advisor about graduate school options.

**Senior Year (120 credits)**

SEVENTH SEMESTER

<b>Course Title</b>	<b>Catalog Number</b>	<b>Prerequisite(s)</b>
Biology upper-division elective	By advisement	
All College Elective		
All College Elective		
All College Elective		

EIGHTH SEMESTER

<b>Course Title</b>	<b>Catalog Number</b>	<b>Prerequisite(s)</b>
Biology upper division elective	By advisement	
All College Elective		
All College Elective		
All College Elective		

**Notes and recommendations:**

Apply for graduation; apply to graduate school, if applicable; visit the Career and Professional Education Center to have your resume reviewed