

## ACADEMIC ROADMAP

### Biology BA Aquatic Biology 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		

##### FOURTH SEMESTER

Course Title	Catalog Number	Prerequisite(s)
Statistics	BIO 300 or MAT 311	Upper division status for BIO 300
GE23 course		
GE23 course		
All College Elective	(Recommend an additional upper division Biol course as one of the All College Electives.)	
All College Elective		

**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)
Biological Form, Function & Diversity	BIO 333 (fall only)	BIO 111 ("C" or better), 211 and 213
Ecology	BIO 315 (fall only)	BIO 111 ("C" or better), 211 & 213
All College Elective		
All College Elective		
All College Elective		

## SIXTH SEMESTER

Course Title	Catalog Number	Prerequisite(s)
Organic Evolution	BIO 450 (Spring only)	BIO 111 ("C" or better), 211 & 213
Aquatic Biology course (one of these four courses)	BIO 325 (Ichthyology)(Every other spring semester)	BIO 111 ("C" or better), 211, 213
	BIO 418 (Limnology) (Every other fall semester)	BIO 111 ("C" or better), 211, 213 & CHE 111/133
	BIO 429 (Fisheries Biology) (Every other spring semester)	BIO 111 ("C" or better), 211, 213
	BIO 430 (Stream Ecology) (Every other fall semester)	BIO 111 ("C" or better), 211, 213, 333
All College Elective		
All College Elective		
All College Elective		

**Notes and recommendations:**

**To meet the degree requirement of 45 upper division credits, 5-6 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

Course Title	Catalog Number	Prerequisite(s)
Aquatic Biology course (one of these four courses)	BIO 325 (Ichthyology)(Every other spring semester)  BIO 418 (Limnology) (Every other fall semester)  BIO 429 (Fisheries Biology) (Every other spring semester)  BIO 430 (Stream Ecology) (Every other fall semester)	BIO 111 ("C" or better), 211, 213, CHE 111/113, CHE 112/114 & CHE 201 BIO 111 ("C" or better), 211 & 213 BIO 111 ("C" or better), 211 & 213 BIO 111 ("C" or better), 211, 213, 333
All College Elective		
All College Elective		
All College Elective		

EIGHTH SEMESTER

Course Title	Catalog Number	Prerequisite(s)
Internship in Aquatic Biology	BIO 488	Completed at least two Aquatics courses, GPA greater than 2.5 overall and in the major
Aquatic Biology course (one of these four courses)	BIO 325 (Ichthyology)(Every other spring semester)  BIO 418 (Limnology) (Every other fall semester)  BIO 429 (Fisheries Biology) (Every other spring semester)  BIO 430 (Stream Ecology) (Every other fall semester)	BIO 111 ("C" or better), 211, 213, CHE 111/113, CHE 112/114 & CHE 201 BIO 111 ("C" or better), 211 & 213 BIO 111 ("C" or better), 211 & 213 BIO 111 ("C" or better), 211, 213, 333
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