

ACADEMIC ROADMAP
Biology BA Aquatic Concentration
Fall 2022

Freshman Year (30 credits)

FIRST SEMESTER

Course Title	Catalog Number	Prerequisite(s)
Foundations of Biology	BIO 111	
Introductory Chemistry <u>or</u> Functions and Modeling	CHE 110 ("C" or better) <u>or</u> MAT 114 ("C" or better)	
Ethics for Scientists	PHI 111 (IF Humanities)	
Intellectual Foundations 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)
Fundamentals of Chemistry I + lab	CHE 111 & 113 (lab)	CHE 110 or MAT 114 ("C" or better)
Introduction to Psychology	PSY 101 (IF Social Science)	
Intellectual Foundations course		
College Writing II	CWP 102	CWP 101 ("C" or better)

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)
Fundamentals of Chemistry II + lab	CHE 112 & 114 (lab)	CHE 111 & 113
Intellectual Foundations course		
Intellectual Foundations course		

FOURTH SEMESTER

Course Title	Catalog Number	Prerequisite(s)
Aquatic Biology course (Offered alternate years)	BIO 325 (Ichthyology) BIO 418 (Limnology) BIO 429 (Fisheries Biology) BIO 430 (Stream Ecology)	BIO 111, 211 & 213 BIO 111, 211, 213 & CHE 111/113 BIO 111, 211 & 213 BIO 111, 211, 213, 333
Intellectual Foundations course		
Intellectual Foundations 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)
Aquatic Biology course (Offered alternate years)	BIO 325 (Ichthyology) BIO 418 (Limnology) BIO 429 (Fisheries Biology) BIO 430 (Stream Ecology)	See above (Fourth Semester)
Biological Form & Function	BIO 333	BIO 111 ("C" or better), 211, 213
Intellectual Foundations course		
Intellectual Foundations course		
All College elective		

SIXTH SEMESTER

Course Title	Catalog Number	Prerequisite(s)
Aquatic Biology course (offered alternate years)	BIO 325 (Ichthyology) BIO 418 (Limnology) BIO 429 (Fisheries Biology) BIO 430 (Stream Ecology)	See above (Fourth Semester)
Statistics	BIO 300 or MAT 311	Upper division for BIO 300
All College elective		
All College elective		

Notes and recommendations: Visit the Career Development 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 (offered alternate years)	BIO 325 (Ichthyology) BIO 418 (Limnology) BIO 429 (Fisheries Biology) BIO 430 (Stream Ecology)	See above (Fourth Semester)
Evolution	BIO 405	BIO 111 ("C" or better), 211, 213
All College elective		
All College elective		

EIGHTH SEMESTER

Course Title	Catalog Number	Prerequisite(s)
Internship in Aquatic Biology	BIO 488	Completed at last two Aquatics courses, GPA greater than 2.5 overall and in the major
All College elective		
All College elective		

Notes and recommendations: Apply for graduation; apply to graduate school, if applicable; visit the Career Development Center to have your resume reviewed