

**ACADEMIC ROADMAP TEMPLATE:
Biology BA – Aquatic Concentration**

Freshman Year

FIRST SEMESTER			SECOND SEMESTER		
Course Title	Catalog Number	Prerequisite(s)	Course Title	Catalog Number	Prerequisite(s)
Principles of Biology	BIO 111	None	Introductory Biology Series	BIO 212 or 213	BIO 111
Fundamentals of Chemistry I	CHE 111	None	Fundamentals of Chemistry I	CHE 212	CHE 111
CWP 101			CWP 102		

Sophomore Year

THIRD SEMESTER			FOURTH SEMESTER		
Course Title	Catalog Number	Prerequisite(s)	Course Title	Catalog Number	Prerequisite(s)
Introductory Biology Series	BIO 212 or 213	BIO 111	Introduction to Cell Biology	BIO 214	CHE111/112
			Aquatic Biology course ¹	BIO 325, 418, 429, or 430	BIO 212/213 for all; BIO 418 also requires CHE 111/112

Junior Year

FIFTH SEMESTER			SIXTH SEMESTER		
Course Title	Catalog Number	Prerequisite(s)	Course Title	Catalog Number	Prerequisite(s)
Aquatic Biology course ¹	BIO 325, 418, 429, or 430	BIO 212/213 for all; BIO 418 also requires CHE 111/112	Aquatic Biology course ¹	BIO 325, 418, 429, or 430	BIO 212/213 for all; BIO 418 also requires CHE 111/112
Biostatistics	BIO 300	Upper-division status			

Senior Year

SEVENTH SEMESTER			EIGHTH SEMESTER		
Course Title	Catalog Number	Prerequisite(s)	Course Title	Catalog Number	Prerequisite(s)
Aquatic Biology course ¹	BIO 325, 418, 429, or 430	BIO 212/213 for all; BIO 418 also requires CHE 111/112	Internship in Aquatic Biology	BIO 488	Completed at least 2 Aquatics courses; GPA > 2.5 overall and in the major

¹ There are four required Aquatic Biology courses: BIO 325 Ichthyology, BIO 418 Limnology, BIO 429 Fisheries Biology, and BIO 430 Stream Ecology. These courses can be taken in any order after completion of the Introductory Biology Series. They are offered on a four semester cycle. Therefore, timely completion of the program requires that, after completion of the Introductory Biology Series, these courses be taken the first semester they are offered. Failure to take these courses when offered will likely mean the program cannot be completed in 8 consecutive semesters.