

Department of Natural Sciences -- 2010 - 2012 Four-Year Pathway for

Biology Major - Ecology and Aquatic Biology Focus

Year	Fall Semester	credits	Spring Semester	credits	General Education Requirements	
Freshman	BIOL 130	4	BIOL 132	4		credits
	WRIT 101 (pending placement)	3	WRIT 102	3	CORE	
	Freshman Seminar	3	Gen Ed XX	3	WRIT 101 & 102	6
	Gen Ed XX	3	Gen Ed XX	3	COMM 110	3
	Gen Ed XX	3	Gen Ed XX	3	Math & Computer Science	3
					Health/Human Performance	3
	total	16	total	16	NON-WESTERN/DIVERSITY	Y/N
Sophomore	CHEM 105	5	CHEM 106	4	KNOWLEDGE	
	Course 2	3	Course 2	3	Humanities	9
	Gen Ed XX	3	Course 3	3	Social Sciences	6
	Gen Ed XX	3	Gen Ed XX	3	Natural/Physical Sciences	6
					Environmental Course	
					Lab Course	
	total	14	total	13	Fine/Applied Arts	6
<i>This is only a suggested sequence; other sequences may be discussed with your advisor.</i>					History/Criticism/Apprec.	
					Aesthetic Experience	
Junior	Fall Semester	credits	Spring Semester	credits	CO-REQUISITES	
	BIOL 340	4	Biology Elective	3-4	Independent Learning in Major	Y/N
	Course 2	3	BIOL 315 or 400	4	Senior Experience Presentation	Y/N
	Course 3	3	Course 3	3	Total General Education Cr	42
	Course 4	3	Course 4	3	Suggested electives include one or more systematic courses (Biol 325 Plant Taxonomy, 365 Entomology, 335 Aquatic Entomology, 382 Ichthyology, 367 Ornithology) and one or more ecology/population biology courses (BIOL 305 Evolution, 312 Biogeography, 350 Limnology, 484 Fish Population Ecology and Management,). A minor in Chemistry or Earth Science or GIS is highly recommended for this area. Most graduate or professional schools also require a year of physics and math through pre-calculus or calculus.	
	Gen Ed XX	3	Gen Ed XX	3		
	total	16	total	16-17		
Senior	BIOL 330	4	BIOL 440	4	Department Contact Information	
	Course 2	3	Course 2	3		
	Course 3	3	Course 3	3		
	Course 4	3	Course 4	3		
	Course 5	3	Sr. Exper Course	1-4		
	total	16	total	14-17		
<i>Chem 105 is a prerequisite for BIOL 330, Genetics; Chem 106 is a prerequisite for BIOL 440. For a Chemistry minor, Chem 105 should be taken no later than Fall of the Sophomore year.</i>					email:	natsci@uwsuper.edu
					Phone:	715-394-8322