



# Department of Biology

## Bachelor of Science, Ecology and Evolutionary Biology Specialization

### Four-Year Academic Road Map

Sample only— academic advisors will help create an individualized plan. Students with more than one program should communicate with their advisor prior to enrollment. \*Upper-division major electives should be selected in consultation with departmental faculty mentors.

YEAR 1	Fall Quarter		Winter Quarter		Spring Quarter		
	UNIV 101	Transition to CWU	BIOL 181	General Biology I	BIOL 182	General Biology II	
	BIOL 105*	Exploring Biology	CHEM 181	General Chemistry I	CHEM 182	General Chemistry II	
	ENG 101	Academic Writing I	CHEM 181Lab	General Chemistry Lab I	CHEM 182Lab	General Chemistry Lab II	
	MATH 152**	Functions and Reasoning	MATH 153	Pre-Calculus I	MATH 154	Pre-Calculus II	
Total Quarter Credits		15	Total Quarter Credits		15	Total Quarter Credits	15

YEAR 2	Fall Quarter		Winter Quarter		Spring Quarter		
	BIOL 183	General Biology III	BIOL 213	Introductory Biostatistics	BIOL 360	General Ecology	
	CHEM 183	General Chemistry III	CHEM 361	Organic Chemistry I	K4 Global Dynamics (ex: GEOG 101)		
	CHEM 183Lab	General Chemistry Lab III	CHEM 361Lab	Organic Chemistry Lab I	K3 Creative Expression (ex: COM 250)		
	MATH 172	Calculus I	K1 Academic Writing II (ex: ENG 111)				
Total Quarter Credits		15	Total Quarter Credits		14	Total Quarter Credits	15

YEAR 3	Fall Quarter		Winter Quarter		Spring Quarter		
	BIOL 466†	Conservation Biology	BIOL 371†	Paleobiology	BIOL 453†	Mammalogy	
	PHYS 121***	Intro Physics for Life Sci. I	BIOL 413†	Advanced Biostatistics	BIOL 455†	Integrative Animal Physiology	
			BIOL 459†	Winter Biology	K5: Humanities (ex: ENG 106)		
	BIOL 321	Genetics	K6 Individual and Society (ex: PHYS 213)				
Total Quarter Credits		14	Total Quarter Credits		17	Total Quarter Credits	15

YEAR 4	Fall Quarter		Winter Quarter		Spring Quarter		
	BIOL 353†	Integrative Anatomy	GEOG 301†	Intro to GIS and Maps	BIOL 341†	Plant Taxonomy	
	BIOL 445†	Field Mycology	K8 Science and Technology (ex: ENST 202)		BIOL 470	Mechanisms of Evolution	
	K2: Cmty., Cult. & Citizenship (ex: SUST 301)		Elective/2 <sup>nd</sup> Program course		BIOL 487	Biology Capstone	
					Elective/2 <sup>nd</sup> Program course		
Total Quarter Credits		115	Total Quarter Credits		14	Total Quarter Credits	16

**Total Credits: 180**

- \*May not be required if student is eligible for BIOL 181 and CHEM 181
- \*\*Assumes placement into MATH 152. If placement requirements are not met, your advisor will help you create a suitable first-year Math sequence to set you up for success.
- \*\*\*PHYS 111 or PHYS 181 may be substituted
- †These courses may be customized for a student’s career aspirations. Please work with your professional advisor or faculty mentor for an academic plan that best serves your career interests.

Suggested second programs: Geography minor, Geology minor, Environmental Science minor, Sustainability minor, GIS certificate

Department Webpage



CWU Course Catalog



General Education



General Degree Requirements

