



# Department of Physics

## Bachelor of Science, Biophysics

### 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	K1 Academic Writing II (ex: ENG 111)		K2 Cmty. Cult. & Citizenship (ex: WGSS 201)		
	MATH 172	Calculus I	MATH 173	Calculus II	MATH 272	Multivariable Calculus I	
	PHYS 181	General Physics I	PHYS 182	General Physics II	PHYS 183	General Physics III	
	ENG 101	Academic Writing I					
Total Quarter Credits		16	Total Quarter Credits		15	Total Quarter Credits	15

YEAR 2	Fall Quarter		Winter Quarter		Spring Quarter		
	MATH 273	Multivariable Calculus II	MATH 265	Linear Algebra	CHEM 183	General Chemistry III	
	CHEM 181	General Chemistry I (K7)	CHEM 182	General Chemistry II	CHEM 183Lab	General Chemistry Lab III	
	CHEM 181Lab	General Chemistry Lab I	CHEM 182Lab	General Chemistry Lab II	K4 Global Dynamics (ex: HIST 103)		
	PHYS 363	Optics	PHYS 289	Physics Major Intro	PHYS 323	Experimental Biophysics	
PHYS 399	Medical Physics	PHYS 322	Molecular Biophysics				
Total Quarter Credits		15	Total Quarter Credits		14	Total Quarter Credits	14

YEAR 3	Fall Quarter		Winter Quarter		Spring Quarter		
	MATH 376	Differential Equations I	PHYS 361	Computational Physics	PHYS Elective	(ex: PHYS 495)	
	PHYS 317	Modern Physics I	K6 Individual & Society (ex: PHYS 213)		PHYS 351	Analytical Mechanics	
	BIOL 181	General Biology I	BIOL 182	General Biology II	PHYS 342	Thermodynamics	
	Elective/2 <sup>nd</sup> Program course		PHYS 495	Undergraduate Research	PHYS Elective	(ex: MATH 377)	
Total Quarter Credits		16	Total Quarter Credits		15	Total Quarter Credits	15

YEAR 4	Fall Quarter		Winter Quarter		Spring Quarter		
	PHYS 381	Electromagnetic Theory I	PHYS 489	Senior Assessment	Elective/2 <sup>nd</sup> Program course		
	K3 Creative Expression (ex: MUS 103)		K5 Humanities (ex: PHIL 104)		Elective/2 <sup>nd</sup> Program course		
	K8 Science & Technology (ex: PHYS 304)		Elective/2 <sup>nd</sup> Program course		Elective/2 <sup>nd</sup> Program course		
	Elective/2 <sup>nd</sup> Program course		Elective/2 <sup>nd</sup> Program course		Elective/2 <sup>nd</sup> Program course		
Total Quarter Credits		15	Total Quarter Credits		15	Total Quarter Credits	15

**Total Credits: 180**

\*Assumes placement into MATH 172. If placement requirements are not met, your advisor will help you create a suitable first-year Math sequence to set you up for success.

Suggested second programs: STEM Teaching, Applied Math, Chemistry, Biology, Mechanical Engineering Tech

Department Webpage



CWU Course Catalog



General Education



General Degree Requirements

