



Department of Physics

Bachelor of Science

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	PHYS 331	Lab Practices	
	PHYS 317	Modern Physics I	PHYS 318	Modern Physics II	PHYS 351	Analytical Mechanics	
	PHYS 363	Optics	PHYS 289	Physics Major Intro	K4 Global Dynamics (ex: HIST 103)		
			K6 Individual & Society (ex: PHYS 213)		Elective/2 nd Program course		
Total Quarter Credits		13	Total Quarter Credits		17	Total Quarter Credits	16

YEAR 3	Fall Quarter		Winter Quarter		Spring Quarter		
	PHYS 333	Experimental Physics	PHYS 382	Electromagnetic Theory II	PHYS 495	Undergraduate Research	
	CHEM 181	General Chemistry I (K7)	CHEM 182	General Chemistry II	PHYS Elective	(ex: MATH 377)	
	CHEM 181Lab	General Chemistry Lab I	CHEM 182Lab	General Chemistry Lab II	PHYS 342	Thermodynamics	
	MATH 376	Differential Equations I	K5 Humanities (ex: PHIL 104)		PHYS 383	Electromagnetic Theory III	
PHYS 381	Electromagnetic Theory I						
Total Quarter Credits		15	Total Quarter Credits		14	Total Quarter Credits	14

YEAR 4	Fall Quarter		Winter Quarter		Spring Quarter		
	PHYS 451	Analytical Mechanics II	PHYS 489	Senior Assessment	Elective/2 nd Program course		
	K3 Creative Expression (ex: MUS 103)		PHYS 474	Quantum Mechanics	Elective/2 nd Program course		
	K8 Science & Technology (ex: PHYS 304)		PHYS Elective	(ex: PHYS 322)	Elective/2 nd Program course		
	Elective/2 nd Program course		Elective/2 nd Program course		Elective/2 nd 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

