



Department of Chemistry

Bachelor of Science, Chemistry

Four-Year Academic Road Map

Sample only—your academic advisor will help you create a plan that is right for you.
Upper-division electives will be selected in consultation with your faculty mentor.

YEAR 1	Fall Quarter		Winter Quarter		Spring Quarter		
	UNIV 101	Transition to CWU	CHEM 182	Gen. Chem. II	CHEM 183	Gen. Chem. III	
	CHEM 181 (K7)	Gen. Chem. I	CHEM 182Lab	Gen. Chem. Lab II	CHEM 183Lab	Gen. Chem. Lab III	
	CHEM 181Lab	Gen. Chem. Lab I	MATH 172	Calculus I	MATH 173	Calculus II	
	MATH 154*	Pre-Calculus II	K1 ENG 111	Writing in the Sciences	K8 Science and Technology (ex: NUTR 101)		
	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		
	CHEM 361	Organic Chem. I	CHEM 362	Organic Chem. II	CHEM 363	Organic Chem. III	
	CHEM 332	Quant. Anal.	CHEM 361Lab	Organic Chem. Lab I	CHEM 363Lab	Organic Chem. Lab II	
	CHEM 332Lab	Quant. Anal. Lab	K6 Individual & Society (ex: PSY 101)		MATH 272	Multivariable Calculus I	
	PHYS 181#	Physics I w/Lab	PHYS 182#	Physics II w/Lab	PHYS 183#	Physics III w/Lab	
Total Quarter Credits		13	Total Quarter Credits		15	Total Quarter Credits	15

YEAR 3	Fall Quarter		Winter Quarter		Spring Quarter		
	CHEM 431	Biochemistry I	CHEM 382	Physical Chemistry II	CHEM 383	Physical Chemistry III	
	CHEM 431Lab	Biochemistry. Lab I	CHEM 382Lab	Physical/Inorganic Lab I	CHEM 383Lab	Physical/Inorganic Lab II	
	CHEM 381	Physical Chemistry I	CHEM 452	Instrumental Analysis	Chem elective ⁵		
	K5 Humanities (ex: PHIL 104)		CHEM 452Lab	Instrumental Anal. Lab	K2 Cmty Cult. & Citizenship (ex: WGSS 201)		
			K4 Global Dynamics (ex: HIST 103)				
Total Quarter Credits		15	Total Quarter Credits		15	Total Quarter Credits	15

YEAR 4	Fall Quarter		Winter Quarter		Spring Quarter		
	CHEM 350	Inorganic Chemistry	Chem elective ⁵		CHEM 488	Colloquium	
	Chem elective ⁵		K3 Creative Expression (ex: MUS 103)		Chem elective ⁵		
	Elective/2 nd program course		Elective/2 nd program course		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	16

Total Credits						180
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*Assumes appropriate Math placement. If your placement suggests a different starting point your advisor will design a plan that fits your needs and helps you build a strong foundation for success.

#Entire Physics series must be taken, but any combination of the 111-, 121-, and/or 181-series is acceptable.

⁵Nine credits of Chemistry Department-approved electives are required for this degree (maximum of 6 credits of CHEM295/395/495).

Department Webpage



CWU Degree Requirements



CWU Course Catalog

