



Department of Chemistry

Bachelor of Science, Biochemistry

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		
	K7 CHEM 181	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	BIOL 183	General Biology & Lab III		
	MATH 154*	Calculus I	BIOL 182	General Biology & Lab II	MATH 173	Calculus II		
	BIOL 181	General Biology & Lab 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	K1 ENG111	Writing in the Sciences	MATH 272	Multivariable Calculus I		
	ENG 101	Academic Writing I	K8 Science & Technology (ex: NUTR 101)		BIOL 321	Genetics		
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 432	Biochemistry II	CHEM 433	Biochemistry III		
	CHEM 431Lab	Biochemistry Lab I	PHYS 182 [#]	Physics II w/Lab	CHEM 433Lab	Biochemistry Lab II		
	PHYS 181 [#]	Physics I w/Lab	K5 Humanities (ex: PHIL 104)		PHYS 183 [#]	Physics III w/Lab		
	K6 Individual & Society (ex: PSY 101)		Chem elective [§]		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 382	Physical Chemistry II	CHEM488	Colloquium		
	CHEM 381	Physical Chemistry I	CHEM 382LAB	Physical Chemistry Lab I	Elective/2 nd Program course			
	K3 Creative Expression (ex: MUS 103)		K2 Cmty. Cult. & Citizenship (ex: WGSS 201)		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**

*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.

[§]Two credits of Chemistry Department-approved electives are required for this degree.

Department Webpage



CWU Degree Requirements



CWU Course Catalog

