

Sample Roadmap for GE Certified Transfer Students who have taken a year of General chemistry, a year of calculus, a year of biology for majors, a year of physics and a year of organic chemistry (lecture and lab) in the Bachelor of Science Degree in  
BIOCHEMISTRY (Total 120 Units)<sup>a</sup>

	Fall _____	Spring _____	Total Units
Year 1		CHEM 3100 (3) <sup>b</sup> Writing	
	CHEM 2300 (2) Intro. Biomol.	CHEM 3500 (4) Quant. Analysis	
	CHEM 3600 (4) Inorg. Chem.	CHEM 4420 (3) Physical Chem.	
	UD GE Block C or D (3)	UD GE Block C or D (3)	
	<b>Total 9 Units</b>	<b>Total 13 Units</b>	<b>22</b>
Year 2	CHEM 4310 (3) Biochem. I	CHEM 4320 (3) Biochem. II	
	CHEM 4311 (2) Biochem. Lab	CHEM 4321 (2) Biochem. lab	
	CHEM UD elective (4) <sup>c</sup> (BIOL or CHEM)	CHEM 4890 (3) <sup>d,e</sup> Capstone	
		CHEM UD elective (3) <sup>c</sup> (BIOL or CHEM)	
	<b>Total 9 Units</b>	<b>Total 11 Units</b>	<b>20</b>
	<b>GRAND TOTAL</b>		<b>42</b>

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NOTE: a summary of what courses are prerequisites to others is found in a separate document

a. Transfer students must meet additional admissions criteria, listed here: <http://www.calstatela.edu/admissions/major-specific-criteria>

b. This course must be taken before CHEM 4311 and CHEM 4890. You must earn a C or better to satisfy the university GEAR writing requirement

c. Students must take a minimum of 2 units of coursework listed under Chemistry and a minimum of 2 units of coursework listed under Biology or Microbiology totaling 7 units.

d. Prerequisites: Completion of Blocks A and B4, an additional course from Block B, and at least one course each from blocks C and D, and CHEM 3100

e. GE "double counting": This roadmap already incorporates double counting, so if you follow this roadmap, you won't be taking unnecessary general education courses. CHEM 4890 is required and satisfies your UD GE B requirement, saving you 3 more units of UD GE coursework.

Additional GE requirements: One GE course must have an "re" designation (race/ethnicity) and another GE course must have either an "re" or "d" (diversity) designation. One GE course must have a "wi" designation. Note that some GE courses may have more than one designation (such as cl and d) and that course CAN be used to satisfy both requirements

Note that a maximum of 1 unit of CHEM 4990 may be used towards CHEM UD electives.