

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

	Fall _____	Spring _____	Total Units
Year 1	MATH 2130 (3) <sup>b</sup> Calculus III	MATH 2150 (3) Differential Eq.	
	CHEM 3100 (3) <sup>d</sup> Writing for Chem.	CHEM 4300 (3) Intro. Biochem.	
	CHEM 3600 (4) Inorg. Chem.	CHEM 3500 (4) Quant. Analysis	
	CHEM 3200 (4) Organic Chem. II	CHEM UD elective (4) <sup>g</sup>	
	<b>Total 14 Units</b>	<b>Total 14 Units</b>	<b>28</b>
Year 2	CHEM 4810 (2) Adv. Synth. Meth.	CHEM 4890 (3) <sup>f,h</sup> Capstone	
	CHEM 4410 (4) Physical Chem.	CHEM 4420 (3) Physical Chem.	
	CHEM 45XX (2) <sup>e</sup> Adv. Analytical	CHEM 45XX (2) <sup>e</sup> Adv. Analytical	
	UD GE Block C or D (3)	CHEM 4430 (1) Physical Chem.	
		CHEM 4431 (2) Physical Chem.	
		UD GE Block C or D (3)	
	<b>Total 11 Units</b>	<b>Total 14 Units</b>	<b>25</b>
<b>GRAND TOTAL</b>		<b>53</b>	

Revised date: 11/3/17

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

a. Effective Fall, 2018, transfer students must meet additional admissions criteria, listed here:

<http://www.calstatela.edu/admissions/major-specific-criteria>

b. For MATH 2110, 2120, 2130, if a student earns less than B-, a 1 unit activity is a required co-requisite.

d. This course must be taken before CHEM 4431 and CHEM 4890

e. Choose 2 of 3 possible 45XX Advanced analytical courses

f. 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

g. A total of 4 units of UD CHEM electives, which may include a maximum of 1 unit of CHEM 499

h. 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