

Sample 4 Year Roadmap for Students
in the Bachelor of Science Degree in
BIOCHEMISTRY** (Total 120 Units)

	Fall _____	Spring _____	Total Units
Year 1	MATH 2110 (4) Calculus I	MATH 2120 (4) Calculus II	30
	CHEM 1100 (5) Gen. Chemistry I	CHEM 1110 (5) Gen. Chemistry II	
	GE (A1, A2 or A3) (3)	GE (A1, A2 or A3) (3)	
	NSS 1001 (3) Intro. To CSULA	GE (A1, A2 or A3) (3)	
	Total 15 Units	Total 15 Units	
Year 2	BIOL 1100 (5) Princ. Biol. I	BIOL 1200 (5) Princ. Biol. II	31
	CHEM 2200 (4) Organic Chem. I	CHEM 3200 (4) Organic Chem. II	
	CHEM 2201 (1) Organic Lab I	CHEM 2211 (1) Organic Lab II	
	LD GE Block Aml, C, D, E, or F (3)	CHEM 3100 (3) ^a Writing for Chem.	
	LD GE Block Aml, C, D, E, or F (3)	CHEM 2300 (2) Intro. Biomol.	
	Total 16 Units	Total 15 Units	
Year 3	CHEM 4310 (3) Biochem. I	CHEM 4320 (3) Biochem. II	30
	CHEM 4311 (2) Biochem. Lab	CHEM 4321 (2) Biochem. lab	
	CHEM 3500 (4) Quant. Analysis	PHYS 2200 (5) Gen. Physics II	
	PHYS 2100 (5) Gen. Physics I	LD GE Block Aml, C, D, E, or F (3)	
		LD GE Block Aml, C, D, E, or F (3)	
	Total 14 Units	Total 16 Units	
Year 4	CHEM 3600 (4) Inorg. Chem.	CHEM 4890 (3) ^{c,d} Capstone	29
	CHEM UD elective (3) ^b (BIOL or CHEM)	CHEM UD elective (4) ^b (BIOL or CHEM)	
	LD GE Block Aml, C, D, E, or F (3)	CHEM 4420 (3) Physical Chem.	
	LD GE Block Aml, C, D, E, or F (3)	UD GE Block C or D (3)	
	UD GE Block C or D (3)		
	Total 16 Units	Total 13 Units	
GRAND TOTAL			120

Revised date: 4/18/2022

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

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

b. 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.

c. 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

d. 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.

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