Advising Roadmap - Recommended Course Sequence

Biochemistry, B.S.

4-Year Plan, Effective Fall 2024

Fall	Units	Spring	Units		
Year One - 30 units					
MATH 2110	4	MATH 2120	4		
CHEM 1100	5	CHEM 1110	5		
LD GE Block A1	3	LD GE Block A2/A3	3		
NSS 1001	3	LD GE Block A2/A3	3		
TOTAL	15	TOTAL	15		
Year Two - 31 units					
BIOL 1100	5	BIOL 1200	5		
CHEM 2200	4	CHEM 3200	4		
CHEM 2201	1	CHEM 2211	1		
LD GE Block AM/C1/C2/D/E/F	3	CHEM 3100 °	3		
LD GE Block AM/C1/C2/D/E/F	3	CHEM 2300	2		
TOTAL	16	TOTAL	15		
Year Three - 28 units					
CHEM 4310	3	CHEM 4320	3		
CHEM 4311	2	CHEM 4321	2		
CHEM 3500	4	PHYS 2200	4		
PHYS 2100	4	LD GE Block AM/C1/C2/D/E/F	3		
		LD GE Block AM/C1/C2/D/E/F	3		
TOTAL	13	TOTAL	15		
Year Four- 31 units					
CHEM 3600	4	CHEM 4420	3		
CHEM UD elective ^b	3	CHEM 4890 ^{c,d}	3		
LD GE Block AM/C1/C2/D/E/F	3	CHEM UD Elective ^b	3		
LD GE Block AM/C1/C2/D/E/F	3	CHEM UD Elective ^b	3		
UD GE Block C/D	3	UD GE Block C/D	3		
TOTAL	16	TOTAL	15		
TOTAL UNITS FOR THE MAJOR					
Notes a. This course must be taken before CHEM 4311 and GWAR writing requirement. b. Students must take a minimum of 2 units of cour coursework listed under Biology or Microbiology totaling 9 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.

A total of 9 units of UD CHEM/ BIOL electives, which may include a maximum of 3 unit of CHEM 4990. Typically, CHEM 4900 students enroll in one unit each semester and repeat multiple times.

Advising Roadmap - Recommended Course Sequence

Biochemistry, B.S.

2 Year Transfer Plan, Effective Fall 2024

	Assuming co	mplete	d prior to transfer: 60			
LD GE Block A	9		BIOL 1100, BIOL 1200	10		
LD GE Block C1, C2	6		CHEM 1100, CHEM 1110	10		
LD GE Block D	3		CHEM 2200, CHEM 2201	5		
Any transferrable course 1			MATH 2110, MATH 2120	8		
			PHYS 2100, PHYS 2200	8		
Fall		Units	Spring			Units
l unior Year: 30 units						
GE American History		3	CHEM 3100 ^b			3
CHEM 2211		1	CHEM 3500			4
CHEM 2300		2	CHEM 4420			3
CHEM 3200		4	UD GE Block C			3
CHEM 3600		4	UD GE Block D			3
	TOTAL	14			TOTAL	16
Senior Year: 30 units						
GE American Government		3	CHEM 4320			3
CHEM 4310		3	CHEM 4321			2
CHEM 4311		2	CHEM 4890			3
CHEM UD Elective 1 ^c		3	CHEM UD Elective ^{d,e}			3
CHEM UD elective 2 ^c		3	GE Block F ^c			3
Free Elective		2				
	TOTAL	16			TOTAL	14

TOTAL RESIDENCE UNITS 60

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

b. This course must be taken before CHEM 4311 and CHEM 4890. You must earn a C or better to satisfy the university GWAR 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 9 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.

A total of 9 units of UD CHEM electives, which may include a maximum of 3 unit of CHEM 4990. Typically, CHEM 4900 students enroll in one unit each semester and repeat multiple times.