

09-11 B.S. Biochemistry – Polymers and Coatings Concentration

The following plan is just one EXAMPLE of how to schedule classes to graduate in 4 years. Other schedules may be equally valid. Work with your advisor to develop a plan that meets your needs. Be sure to check your Degree Progress Report (DPR) frequently to ensure you are meeting all degree requirements.

FRESHMAN YEAR			SOPHOMORE YEAR		
Yr. 1 FALL	Yr. 1 Winter	Yr. 1 Spring	Yr. 2 Fall	Yr. 2 Winter	Yr. 2 Spring
CHEM 127 (4)	CHEM 128 (4)	CHEM 129 (4)	CHEM 316 (5)	CHEM 317 (5)	CHEM 318 (3)
MATH 141 (4)	MATH 142 (4)	MATH 143 (4)	CHEM 331 (5)	MATE 210 (3)	CHEM 319 (2)
GE ² [A1/A2] (4)	GE ² [A1/A2] (4)	GE ² [A3] (4)	PHYS 121/141 (4)	PHYS 122/132 (4)	PHYS 123/133 (4)
Elective (4) ¹ Recommendations: [CHEM 101 (1)] [SCM 150 workshop (1)] [MATH 151 (1)] [Additional Elective (1)]	GE ² (4) Elective ¹ (1) Recommendation: [SCM 150 workshop or [MATH 152]	BIO 161 (4) Elective ¹ (1) Recommendation: [SCM 150 workshop or [MATH 153]		GE ² (4)	GE ² (4)
16	17	17	14	16	13

JUNIOR			SENIOR YEAR			
Yr. 3 FALL	Yr. 3 Winter	Yr. 3 Spring	Summer	Yr. 4. Fall	Yr. 4 Winter	Yr. 4 Spring
CHEM 371 (5)	CHEM 373 (3)	CHEM 372 (4)	CHEM 449 (2)	CHEM 353 (3)	CHEM 459 (2)	CHEM 461 (1)
CHEM 444 (3)	CHEM 445 (3)	CHEM 446 (3)		MCRO 224 or BIO 452 (4-5)	Advanced BCHM Lab ⁵ (2-3)	GE ² (4)
CHEM 447 (2)	CHEM 448 (2)	GE ² (4)		Advanced BCHM Lab ⁵ (2-4)	GE ² (4) [upper division]	GE ² (4) [upper division]
CHEM 351 (3)	CHEM 352 (3)	CHEM 354 (2)		GE ² (4) [upper division]	GE ² (4)	Elective (6-2) ¹
	GE ² (4)				GE ² (4)	
13	15	13	2	13-16	16-17	11-15

Courses may not always be taught in the quarter shown. Check with the Chemistry/Biochemistry department for the most current list of projected course offerings. Last updated: 7/20/09

¹ A total of 12 units of elective credit are required for this major/concentration combination. The Biochemistry Department strongly recommends that you take "Introduction to the Chemical Sciences" [CHEM 101] offered only in Fall Quarter and Supplemental Workshops [SCM 150] for Math and Science for elective credit in your first year.

² 56 units of General Education (GE) courses are required for graduation. You must take one GE from each of these areas: GE A1, A2, A3; C1, C2, C3, C4, C1-4; D1, D2, D3, D4, D5; F.

Check PASS or the Cal Poly Catalog for specific course prerequisite requirements and options for completing the USCP and GWR requirement through specific GE courses.

³ Students should take CHEM 331 during their second year, and as soon as possible after completing CHEM 129.

⁴ Internship in Polymers and Coatings - Selected students will spend up to 12 weeks with an approved P & C firm engaged in production or related business. Prerequisite: CHEM 444 or consent.

⁵ Two Advanced labs required. Choose from the following: CHEM 375 or 474; CHEM 375, 474, 439, 476 or BIO 361. Excess units will count for elective credit.