CAL POLY POMONA

Name
Plan:

Chemistry, B.S.

SubPlan/Option: General Chemistry Option

Min. Units Required: 120 units

2018-2019 University Catalog Degree Curriculum Sheet

Maior Required Core	48 units		General Educati	on Requirements		48 Units
CHM1210 - General Chemistry I (3) (B1)			General Education Requirements 48 Units Students should consult the Academic Programs website			
CHM1210L - General Chemistry Laboratory I (1) (B3)			5			
CHM1220 - General Chemistry II (3) (B1) CHM1220L - General Chemistry Laboratory II (1) (B3) CHM2210 - Quantitative Analysis (2) CHM2210L - Quantitative Analysis Laboratory (2) CHM2910A - Chemistry Chemistry I (4) CHM3140L - Organic Chemistry I (3) CHM3150 - Organic Chemistry II (3) CHM3150L - Organic Chemistry II (3) CHM3150L - Organic Chemistry II (3) CHM3270L - Biochemistry I (3) CHM3270L - Biochemistry I (3) CHM3270L - Biochemistry Laboratory II (1) CHM3270 - Spectroscopic Methods (1) CHM3420L - Spectroscopic Methods (1) CHM3430L - Separation Methods (1) CHM3430L - Separation Methods (1) CHM3430L - Separation Methods (1) CHM3430L - Physical Chemistry Laboratory (2) MAT1140 - Calculus II (4) (B4) MAT1150 - Introduction to Newtonian Mechanics (3) (B1) PHY1510L - Introduction to Electromagnetism and Circuits (3) PHY1520L - Introductory Laboratory on Electromagnetism and Circuits (1)		https://www.cpp.edu/-academic-programs/general-education-course-listings.shtml for current information regarding this requirement. Unless specific courses are required, please refer to the list of approved courses under General Education Requirements, Areas A through E. Area A. English Language Communication and Critical Thinking (9 units) 1. Oral Communication 2. Written Communication 3. Critical Thinking Area B. Scientific Inquiry and Quantitative Reasoning (12 units) 1. Physical Sciences 2. Life Sciences 3. Laboratory Activity 4. Mathematics/Quantitative Reasoning 5. Science and Technology Synthesis Area C. Arts and Humanities (12 units) 1. Visual and Performing Arts 2a. Philosophy and Civilization 2b. Literature and Language Other than English				
Subplan/Option Required Core	10 units		3. Arts and Humanitie			
CHM3040 - Elements of Physical Chemistry I (3) and CHM3050 - Elements of Physical Chemistry II (3) OR CHM3110 - Classical Physical Chemistry (3) and CHM3120 - Quantum Physical Chemistry (3)			 Social Sciences: P Social Science Syr 	merican Ideals nd California Government rinciples, Methodologies, Value Syst tthesis	ems, and Ethics	
BIO1150 - Basic Biology (3) (B2) BIO1150L - Basic Biology Laboratory (1) (B3)			Area E. Lifelong Learning and Self-Development (3 units) Interdisciplinary General Education 21 Units			
Subplan/Option Electives	23 units				d D available for stude	
Students may take any 3000-4000 level chemistry courses not already counted in co units. Up to 12 units may come from outside CHM. See advisor/dept for suggested of prepare for specific areas in chemistry or to tailor your curriculum to career goals.		An alternate pattern for partial fulfillment of GE Areas A, C, and D available for students is the Interdisciplinary General Education (IGE) program. Students should see an advisor for specific GE coursework required by their major. Please refer to the University Catalog General Education Program section for additional information.				
			How IGE fulfills General Education Requirements:			
			Year	Completion of IGE Courses	Satisfies GE Requi	rements
			Freshman	IGE 1100, IGE 1200	A2 and C2b	
			Sophomore Junior	IGE 2100, IGE 2200 IGE 2300, IGE 2400	C1 and C2a D1 and D3	
			Senior	IGE 3100	C3 or D4	
			American Institu		000104	6 Units
					- D1 and D0	0 011103
			Courses that satisfy this requirement may also satisfy GE Area D1 and D2.			
			American Cultural Perspectives Requirement 3 Units			
		Refer to the University Catalog General Education Program section for a list of courses that satisfy this requirement. Course may also satisfy major, minor, GE, or unrestricted elective requirements.				
		Graduation Writing Test				
		All persons who receive undergraduate degrees from Cal Poly Pomona must pass the Graduation Writing Test (GWT). The test must be taken by the semester following completion of 60 units for undergraduates.				

07/02/18 v1.0