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Plan:

## SubPlan/Option: Biochemistry

Chemistry, B.S.

Min. Units Required: 120 units

## 2021-2022 University Catalog Degree Curriculum Sheet

Major Required 48	units	Suggested Biology (BIO) Electives	General Education	n Requirements	4	48 Unit
CHM1210 - General Chemistry I (3) (B1) CHM1210 - General Chemistry II (3) (B1) CHM1220 - General Chemistry II (3) (B1) CHM1220 - General Chemistry II (3) (B1) CHM12210 - Quantitative Analysis (2) CHM2210 - Quantitative Analysis (2) CHM2910A - Chemical Communication Activity (1) CHM3140 - Organic Chemistry I (4) CHM3140 - Organic Chemistry Laboratory II (1) CHM3150 - Organic Chemistry Laboratory II (1) CHM3150 - Organic Chemistry Laboratory II (1) CHM3150 - Organic Chemistry Laboratory II (1) CHM3270 - Biochemistry Laboratory I (1) CHM3270 - Biochemistry Laboratory I (1) CHM320 - Spectroscopic Methods (1) CHM3420 - Spectroscopic Methods Laboratory (1) CHM3420 - Separation Methods (1) CHM3420 - Foundations of Biology: Energy, Matter, and Information (3) (B2) BiO1210 - Foundations of Biology: Energy, Matter, and Information (3) (B2) BiO1220 - Foundations of Biology: Energy, Matter, and Information (3) (B2) BiO1220 - Foundations of Biology: Energy, Matter, and Information (3) (B2) BiO1220 - Foundations of Biology: Energy, Matter, and Information (3) (B2) BiO1220 - Foundations of Biology: Evolution, Ecology, and Biodiversity Laboratory (1) BiO2260 - Basic Microbiology (3) <b>and</b> BiO2260 - Basi	i units	BiO3620 - Applied Microbiology (2) BiO3620 - Applied Microbiology (2) BiO3640 - Food Microbiology Laboratory (1) BiO3640 - Food Microbiology Laboratory (1) BiO4020 - Developmental Biology (3) BiO4020 - Developmental Biology (3) BiO4020 - Developmental Biology Laboratory (1) <sup>1</sup> BiO4040 - Advanced Genetics (3) BiO4190 - Neuroscience I: Cell and Molecular Processes (3) <sup>1</sup> BiO4190 - Neuroscience I: Cell and Molecular Processes (3) <sup>1</sup> BiO4300 - Concepts of Molecular Biology (3) BiO4320 - Molecular Biology Techniques (3) BiO4320 - Molecular Biology Techniques (3) BiO4320 - Molecular Biology Techniques Laboratory (1) BiO4300 - Recombinant DNA and Protein Technology (3) BiO4300 - Recombinant DNA and Protein Technology Laboratory (1) BiO4300 - Bioinformatics (2) BiO4300 - Stem Cell Biology (3) <sup>1</sup> BiO4400 - Plant Genetics (3) BiO4480 - Plant Physiology (3) BiO4480 - Plant Physiology (3) BiO4480 - Plant Physiology (3) BiO4480 - Microbial Physiology (3) BiO4480 - Plant Genetics (3) BiO4480 - Microbial Physiology (3) BiO4480 - M	Students should view the General Education requir refer to the list of approve catalog.cpp.edu. When v with the GE requirements <b>Area A. English Languag</b> <i>At least 3 units from eacl</i> 1. Oral Communicati 2. Written Communica 3. Critical Thinking <b>Area B. Scientific Inquiry</b> <i>At least 3 units from B1</i> , 1. Physical Sciences 3. Laboratory Activity 4. Mathematics/Quar 5. Science and Tech <b>Area C. Arts and Human</b> <i>At least 3 units from eacl</i> 1. Visual and Perforr 2. Literature, Modern 3. Arts and Humanifi <b>Area D. Social Sciences</b> <i>At least 3 units from eacl</i> 1. U.S. History and A 2. U.S. Constitution a 4. Social Science Sy	ir Degree Progress Report (DPR) for rements. Unless specific GE courses ad courses in the General Education iewing the catalog, students should s is listed in their Degree Progress Rep. e Communication and Critical Thinkin is sub-area on mation and Quantitative Reasoning (12 unit B2, B4, and B5 including 1 unit of lab that the Reasoning nology Synthesis ties (12 units) is sub-area and 3 additional units from ning Arts Languages, Philosophy and Civiliza as Synthesis (9 units) is sub-area merican Ideals and California Government	information regarding thei are required for their majo Program in the University ( elect the catalog year asso ort. <b>ng (9 units)</b> <b>s)</b> <i>from B1 or B2 to fulfill B3</i>	eir or, pleas (Catalog sociated
CHM3040 - Elements of Physical Chemistry I (3) CHM3050 - Elements of Physical Chemistry II (3)			Area F. Ethnic Studies (3			
CHM3280 - Biochemistry II (3)			Interdisciplinary (	General Education	1	18 Uni
CHM3280L - Biochemistry Laboratory II (1) CHM4530 - Informational Biomolecules and Recombinant DNA (3)				artial fulfillment of GE Areas A, C, an		
Subplan/Option Electives 8-9 Select at least one course from Option Electives and one BIO course.	units			Education (IGE) program. Students s by their major. Please refer to the Ur tional information		
Option Electives			0	low IGE fulfills General Education Re	auirements:	
CHM3310 - Clinical Chemistry (2)			Year	Completion of IGE Courses	Satisfies GE Requirem	nents
CHM3310L - Clinical Chemistry Laboratory (1)			First	IGE 1100. IGE 1200	A2 and C2	
CHM4510 - Enzymology (3) CHM4510L - Enzymology Laboratory (1)			Second/Third	IGE 2150, IGE 2250	D1 and C2	
CHM4520 - Advanced Biomolecular Structure (3)			Cooona mila	IGE 2350	C1	
CHM4540 - Advanced Metabolism (3)				IGE 3100	C3 or D4	
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CHM4610 - Senior Project I (2) * Suggested Chemistry (CHM) Electives CHM2440 - Electropophilical Matheda (1)			American Institut			
Suggested Chemistry (CHM) Electives CHM3440 - Electroanalytical Methods (1)				requirement may also satisfy GE Are		
Suggested Chemistry (CHM) Electives				requirement may also satisfy GE Are		