

California State Polytechnic University, Pomona

	Degree Curriculum Sheet	
Plan (Major) <u>CHEMISTRY</u>	Catalog Year	Name
Subplan/Option Chemistry	Minimum Units Required	Student ID
Required Core Courses	Required Support Courses	General Education Requireme
Required of all students. A 2.0 cumulative GPA is required in core courses, including subplan courses, in order to receive a degree in the major. CHM 121 - General Chemistry (3) and CHM 121L - General Chemistry Laboratory (1) CHM 122 - General Chemistry (3) and CHM 123L - General Chemistry Laboratory (1) CHM 123 - General Chemistry Laboratory (1) CHM 123L - General Chemistry Laboratory (1) CHM 21/221L - Quantitative Analysis (2/2) CHM 314 - Organic Chemistry (3) CHM 315 - Organic Chemistry (3) CHM 315 - Organic Chemistry (3) CHM 317L - Organic Chemistry Laboratory (1) CHM 318L - Organic Chemistry Laboratory (1) CHM 319L - Organic Chemistry Laboratory (1) CHM 319L - Organic Chemistry Laboratory (1) CHM 342/342L - Spectroscopic Methods (2/2) CHM 343/343L - Separation Methods (2/2) CHM 352/352L - Physical Chemistry/Laboratory (1/2) CHM 422/422L - Organic Synthesis (2/2) or CHM 424/424L - Organic Analysis (2/2)	The following major support courses should be used to satisfy the indicated GE requirements. If these courses are not used to satisfy GE, the total units to degree may be more than 180 units. BIO 115/115A/115L - Basic Biology (3/1/1) (B2, B3) CS 128 - Introduction to C++ (4) MAT 114 - Analytic Geometry and Calculus I (4) (B4) MAT 115 - Analytic Geometry and Calculus II (4) MAT 116 - Analytic Geometry and Calculus III (4) MAT 216 - Differential Equations (4) PHY 131 - General Physics (3) (B1) and PHY 131L - General Physics Laboratory (1) (B3) PHY 132 - General Physics (3) and PHY 133 - General Physics (3) and PHY 133L - General Physics Laboratory (1) Total Units 37	Area A Communication & Critical T 1. Oral Communication 2. Written Communication 3. Critical Thinking Area B Mathematics & Natural Scie 1. Physical Science 2. Biological Science 3. Laboratory Activity 4. Math/Quantitative Reasoning 5. Science & Technology Synthes Area C Humanities (16 units) 1. Visual and Performing Arts 2. Philosophy and Civilization 3. Literature and Foreign Langual 4. Humanities Synthesis Area D Social Sciences (20 units) 1. U.S. History, Constitution, Ame a. United States History b. Introduction to America 2. History, Economics and Politica
CHM 491 - Senior Research Project (3) CHM 492 - Senior Research Project (3)	A reading knowledge of a foreign language, especially German, is strongly recommended for students planning advanced study in Science.	3. Sociology, Anthropology, Ethni

Total Units 55

Required Subplan/Option Core Courses

CHM 311 - Physical Chemistry (3) CHM 312 - Physical Chemistry (3) CHM 313 - Physical Chemistry (3) CHM 353L - Physical Chemistry Laboratory (2) CHM 401 - Inorganic Chemistry (3)

CHM 493 - Undergraduate Seminar (2)

CHM 402 - Inorganic Chemistry (3)

CHM 321/321L - Elements of Biochemistry (3/1)

CHM 327 - Biochemistry (3) and

CHM 327L - Biochemistry Laboratory (1) and

CHM 328 - Biochemistry (3) and

CHM 328L - Biochemistry Laboratory (1)

Two elective courses, approved 300, 400-level or higher, excluding CHM 400, CHM 491, CHM 492, CHM 493 & CHM 499/499A/499L (6-8 units)

Total Units 27-33

recommended for students planning advanced study in Science.

Unrestricted Electives

Select a sufficient number of courses so that the total from "Required Subplan/ Option", "Required Support", "GE", and "Unrestricted Electives" is at least 125

Total Units 0.5

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Thinking (12 units)

ences (16 units)

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- ige
- erican Ideals
 - an Government
- al Science
- ic & Gender Studies
- 4. Social Science Synthesis

Area E Lifelong Understanding & Self Development (4 units)

Total Units 68

American Institutions

Courses that satisfy this requirement may also satisfy GE Area D1

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American Cultural Perspectives Requirement

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 require4

All persons who receive undergraduate degrees from Cal Poly Pomona must pass the Graduation Writing Test (GWT). The test must be taken by the quarter following completion of 120 units for undergraduates.