

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

California State Polytechnic University, Pomona

	Degree Curriculum Sheet	
Plan (Major) Biology	Catalog Year 2016 · 2017	Name
Subplan/Option Botany	Minimum Units Required	Student ID
Required Core Courses	Required Support Courses Con't.	General Education Re
BIO 122/122L - Foundations of Biology: Reproduction and Development (3/2) BIO 123/123L - Foundations of Biology: Biodiversity (3/2) BIO 211/211L - Biometrics (3/1) BIO 303 - Genetics (4)	ENG 130 - Freshman English II (4) (A3) or PHL 202 - Critical Thinking (4) (A3) (A3)	Area A. Communication a 1. Oral Communication 2. Written Communicat
BIO 490 - Scientific Communication (1)	ENG 107 - Stretch Composition III (4) (A2) or ENG 109 - Advanced Stretch Composition II (4) (A2) or	3. Critical Thinking Area B. Mathematics and
Total Units 19	ENG 110 - First-Year Composition (4) (A2) MAT 120 - Calculus for the Life Sciences (4) (B4)	Physical Science Biological Science
Required Subplan/Option Core Courses	PHY 121 - College Physics (3) and	Laboratory Activity Mathematics/Quantit
BIO 325/325L - Principles of Ecology (3/1) BIO 413 - Principles of Evolution (4)	PHY 121L - College Physics Laboratory (1) PHY 122 - College Physics (3) and	5. Science and Technol Area C. Humanities (16 ur
BOT 201/201L - Form and Function in Plants (3/1) BOT 343/343L - California Flora (1/2) BOT 428/428L - Plant Physiology (4/1)	PHY 122 - College Physics (3) and PHY 122L - College Physics Laboratory (1)	1. Visual and Performin 2. Philosophy and Civili 3. Literature and Foreice
BOT 434/434L - Evolution of Plants (3/2) BOT 435/435L - Plant Anatomy (2/2) BOT 456/456L - Plant Tissue Culture (3/1)	PHY 123 - College Physics (3) and PHY 123L - College Physics Laboratory (1)	4. Humanities Synthesi Area D. Social Sciences (2)
MIC 201/201L - Basic Microbiology (3/1) MIC 436/436L - Plant-Microbe Interactions (2/2)	PLT 231/231L - Basic Soil Science (3/1)	1. U.S. History, Constitu a. United State
Total Units 41	FN 203 - Health, Nutrition and the Integrated Being (4) (E) or PSY 201 - General Psychology (4) (E) or	b. Introduction 2. History, Economics,
Required Support Courses	PSY 210 - Mind, Brain, and Behavior: An Integrated View (4) (E) or	3. Sociology, Anthropol 4. Social Science Syntl
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.	SCI 101/101A - Science and Mathematics: Freshman Experience I (1/1) (E) and SCI 102/102A - Science and Mathematics: Freshman Experience II (1/1) (E)	Area E. Lifelong Understa Total Units 68
BIO 121/121L - Foundations of Biology: Energy and Matter - Cycles and Flows (3/2) (B2, B3)	STA 120 - Statistics with Applications (4) (B4)	American Institutions
BIO 304 - Environment and Society (4) (B5) or	Total Units 65	Courses that satisfy this requ
BIO 340 - Biodiversity Conservation (4) (B5)	Elective Support Courses	American Cultural Perspec
CHM 121 - General Chemistry (3) (B1) and CHM 121L - General Chemistry Laboratory (1) (B3)	Approved electives include any 200, 300, or 400 level courses in the Biological Sciences Department not specifically designed for non-majors. Only 2 units of BIO 200 or BIO 400 allowed. Only 4 units of BIO 441 or BIO 461 allowed. Only 2 units	Refer to the University Catal tion for a list of courses that also satisfy major, minor, GE
CHM 122 - General Chemistry (3) and CHM 122L - General Chemistry Laboratory (1)	of BIO 462 allowed. Also included are any advanced Chemistry or Math courses and PLT 131/131L, PLT 220/220L, PLT 404/404L, PLT 421/421L, PLT 427/427L,	All persons who receive und
CHM 123 - General Chemistry (3) and CHM 123L - General Chemistry Laboratory (1)	PHY 304/304L, and PHY 410. See advisor for approval of courses offered by other departments.	pass the Graduation Writing quarter following completion
	Total Units 15	
CHM 201 - Elements of Organic Chemistry (3) and CHM 250L - Elements of Organic Chemistry Laboratory (1)		I

quirements

and Critical Thinking (12 units)

tion

Natural Sciences (16 units)

- itative Reasoning
- ology Synthesis

nits)

- ng Arts
- lization
- gn Languages

(20 units)

- tution, and American Ideals
 - es History
 - to American Government
- and Political Science
- logy, Ethnic and Gender Studies

anding and Self-development (4 units)

uirement may also satisfy GE Area D1.

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ctives Requirement

alog General Education Program sect satisfy this requirement. Course may E, or unrestricted elective require-

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dergraduate degrees from Cal Poly Pomona must ng Test (GWT). The test must be taken by the of 120 units for undergraduates.