

Major Required	71 units	Emphasis Other	General Education Requirements	48 Units
AG4010 - Ethical Issues in Food, Agricultural and Apparel Industries (3) (C3 or D4) BIO1150 - Basic Biology (3) (B2) BIO1150L - Basic Biology Laboratory (1) (B3) BIO2060 - Basic Microbiology (3) BIO2060L - Basic Microbiology Laboratory (1) BIO2350 - Human Physiology (3) BIO2350L - Human Physiology Laboratory (1) BIO3000 - Genetics and Human Issues (3) (B5) CHM1210 - General Chemistry I (3) (B1) CHM1210L - General Chemistry Laboratory I (1) (B3) CHM1220 - General Chemistry II (3) (B1) CHM1220L - General Chemistry Laboratory II (1) (B3) CHM2010 - Elements of Organic Chemistry (3) COM2204 - Advocacy and Argument (3) (A1) ENG1103 - First Year Composition (3) (A2) ENG2105 - Written Reasoning (3) (A3) FST3210 - Experimental Food Science (2) FST3210L - Experimental Food Science Laboratory (1) FST3250 - Food Safety and Current Issues (3) (B5) NTR1000 - Introduction to the Nutrition Professions (1) NTR1210 - Introduction to Foods (2) NTR1210L - Introduction to Foods Laboratory (1) NTR2280 - Food and Culture (3) (D3) NTR2350 - Nutrition (3) NTR2350L - Nutrition Laboratory (1) NTR3130 - Introduction to Nutrition Research (3) NTR3350 - Nutrition of the Life Cycle (3) NTR3450 - Nutrition Education and Counseling (3) or NTR3450S - Nutrition Education and Counseling Service Learning (3) NTR3450A - Nutrition Education and Counseling Activity (1) or NTR3450AS - Nutrition Education and Counseling Activity Service Learning (1) PSY2201 - Introduction to Psychology (3) (E) STA1200 - Statistics with Applications (3) (B4) There will be a requirement for graduation - an assessment activity.		CHM3140 - Organic Chemistry I (4) CHM3140L - Organic Chemistry Laboratory I (1) CHM3150 - Organic Chemistry II (3) CHM3150L - Organic Chemistry Laboratory II (1) CHM3210 - Elements of Biochemistry (3) OR CHM3270 - Biochemistry I (3) and CHM3270L - Biochemistry Laboratory I (1) CHM3280 - Biochemistry II (3) CHM3280L - Biochemistry Laboratory II (1) NTR3930 - Advanced Nutrient Metabolism I (3) NTR3940 - Advanced Nutrient Metabolism II (3) NTR4370 - Nutritional Genomics (3) NTR4380 - Evaluation of Complementary Medicine (3) Pre-Professional Emphasis: BIO2400 - Genetics (3) BIO3220 - Cell and Molecular Biology (3) BIO4040 - Advanced Genetics (3) BIO4190 - Neuroscience I: Cell and Molecular Processes (3) BIO4390 - Cancer Cell Biology (3) BIO4450 - Physiology I: Cells (3) BIO4450L - Physiology I: Cells Laboratory (1) CHM2210 - Quantitative Analysis (2) CHM2210L - Quantitative Analysis Laboratory (2) CHM3140 - Organic Chemistry I (4) CHM3140L - Organic Chemistry Laboratory I (1) CHM3150 - Organic Chemistry II (3) CHM3150L - Organic Chemistry Laboratory II (1) CHM3210 - Elements of Biochemistry (3) OR CHM3270 - Biochemistry I (3) and CHM3270L - Biochemistry Laboratory I (1) CHM3280 - Biochemistry II (3) CHM3280L - Biochemistry Laboratory II (1) CHM3310 - Clinical Chemistry (2) CHM3310L - Clinical Chemistry Laboratory (1) CHM3420 - Spectroscopic Methods (1) and CHM3420L - Spectroscopic Methods Laboratory (1) OR CHM3430 - Separation Methods (1) and CHM3430L - Separation Methods Laboratory (1) CHM4500 - Bioanalytical Chemistry (3) CHM4530 - Informational Biomolecules and Recombinant DNA (3) KIN3010 - Foundations of Exercise Science (3) (B5) NTR3930 - Advanced Nutrient Metabolism I (3) NTR3940 - Advanced Nutrient Metabolism II (3) NTR4370 - Nutritional Genomics (3) NTR4380 - Evaluation of Complementary Medicine (3) NTR4450 - Nutrition and International Development (3)	General Education Requirements Students should consult the Academic Programs website 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) <i>At least 3 units from each sub-area</i> <ol style="list-style-type: none"> Oral Communication Written Communication Critical Thinking Area B. Scientific Inquiry and Quantitative Reasoning (12 units) <i>At least 3 units from B1, B2, B4, and B5 including 1 unit of lab from B1 or B2 to fulfill B3</i> <ol style="list-style-type: none"> Physical Sciences Life Sciences Laboratory Activity Mathematics/Quantitative Reasoning Science and Technology Synthesis Area C. Arts and Humanities (12 units) <i>At least 3 units from each sub-area and 3 additional units from sub-areas 1 and/or 2</i> <ol style="list-style-type: none"> Visual and Performing Arts Literature, Modern Languages, Philosophy and Civilization Arts and Humanities Synthesis Area D. Social Sciences (12 units) <i>At least 3 units from each sub-area</i> <ol style="list-style-type: none"> U.S. History and American Ideals U.S. Constitution and California Government Social Sciences: Principles, Methodologies, Value Systems, and Ethics Social Science Synthesis Area E. Lifelong Learning and Self-Development (3 units)	
Subplan/Option Required	13 units			
AG1010 - Agriculture & The Modern World (3) (D3) MAT1060 - Trigonometry (3) (B4) MAT1200 - Calculus for Life Sciences (3) (B4) PHY1210 - Physics of Motion, Fluids, and Heat (3) (B1) PHY1210L - Physics of Motion, Fluids, and Heat Laboratory (1) (B3)				
Subplan/Option Electives	18 Units			
Any combination of courses listed below will satisfy the required 18 units. Emphases are listed to provide guidance for helping students to choose courses of interest that best fit your career goals, but there is no requirement for choosing a specific emphasis for fulfilling these units.				
Animal Nutrition Emphasis:				
Emphasis Recommended				
AVS1112 - Food Animal Production (3) AVS1114L - Food Animal Production Laboratory (1) or AVS1115L - Companion Animal Management Laboratory (1) AVS2101 - Fundamentals of Animal Nutrition (3) AVS2101L - Fundamentals of Animal Nutrition Laboratory (1) AVS4402 - Advanced Nutrition (3) or AVS4473 - Clinical Nutrition (3)				
			Interdisciplinary General Education	21 Units
			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
			<i>First</i>	<i>IGE 1100, IGE 1200</i>
			<i>Second/Third</i>	<i>IGE 2100, IGE 2200</i>
			<i>Third/Fourth</i>	<i>IGE 2300, IGE 2400</i>
				<i>IGE 3100</i>
				<i>A2 and C2</i>
				<i>C1 and C2</i>
				<i>D1 and D3</i>
				<i>C3 or D4</i>
			American Institutions	6 Units
			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.	