California State Polytechnic University, Pomona **Degree Curriculum Sheet**

Required Lore Lourses			Required Support Courses		
Course		Units	Course		
Orientation to College of Agriculture	AG 100	1	Freshman English I (A2)	ENG 104	
Introduction to Professions	FN 100	1	Freshman English II (A3)	ENG 105	
Nutrition	FN 235	4	General Chemistry (B1, B3)	CHM 121/121L	
Introduction to Research	FN 263	4	Foundations of Biology (B2, B3)	BIO 121/121L	
			Statistics with Applications (B4)	STA 120	
	Total Units	10	Project Design Principles and Applications (B5)	AG 481/482	1
	Total Offics	10	Ethical Issues in Food, Agricultural and Apparel		1
Required Subplan/Ontion Courses			Industries (C4)	AG 401	1
Required Subplain option courses			Agriculture in the Modern World (D2)	AG 101	
Course		Units	General Psychology (E)	PSY 201	
Introduction to Food Science	FST 125	4	General Chemistry	CHM 122/122L	
Nutrition through the Life Cycle	FN 335	4	General Chemistry	CHM 123/123L	
Advanced Nutrient Metabolism I	FN 433	4	Elements of Organic Chemistry	CHM 201/250L	
Advanced Nutrient Metabolism II	FN 434	4	or Urganic Chemistry	CHM 314/317L	
Advanced Nutrient Metabolism III	FN 435	4	Elements of Biochemistry	CHM 321/321L	
Medical Nutrition Therapy I	FN 443/443L	4/1	or Biochemistry/ Laboratory	CHM 327/L	
Medical Nutrition Therapy II	FN 444/444	4/1	Calculus for Life Sciences	MAT 120	Ĺ
Evaluating Complementary and Alternative I	Medicine FN 446/446	3/1	Human Physiology	ZOO 235/235L	Ĺ
Elective Subplan/Ontion Courses				Total Units	
Course		Units			
Select 18 units from the following:			Medical, Veterinary, Pharmacy and Dental Sc	hool Admission Re	p
E (' (D')	BIO 122/122L	3/2	This curriculum meets the requirements of many	but not all, schools	
Foundations of Biology	- /	- /			ec
Foundations of Biology Foundations of Biology: Biodiversity	BIO 123/123L	3/2	Irequirements of individual schools may vary and	should be determine	
Foundations of Biology Foundations of Biology: Biodiversity Organic Chemistry	BIO 123/123L CHM 315	3/2 3	by the student in consultation with the department	should be determine nt advisor within tw	/0
Foundations of Biology Foundations of Biology: Biodiversity Organic Chemistry Organic Chemistry	BIO 123/123L CHM 315 CHM 316	3/2 3 3	by the student in consultation with the departme beginning the application process.	should be determine nt advisor within tw	/0
Foundations of Biology Foundations of Biology: Biodiversity Organic Chemistry Organic Chemistry Organic Chemistry Lab	BIO 123/123L CHM 315 CHM 316 CHM 318L	3/2 3 3 1	by the student in consultation with the departme by the student in consultation with the departme beginning the application process.	should be determine nt advisor within tw	/0
Foundations of Biology Foundations of Biology: Biodiversity Organic Chemistry Organic Chemistry Lab Organic Chemistry Lab	BIO 123/123L CHM 315 CHM 316 CHM 318L CHM 319I	3/2 3 3 1 1	by the student in consultation with the departme beginning the application process.	should be determine nt advisor within tw	
Foundations of Biology Foundations of Biology: Biodiversity Organic Chemistry Organic Chemistry Organic Chemistry Lab Organic Chemistry Lab Microbiology	BIO 123/123L CHM 315 CHM 316 CHM 318L CHM 319L MIC 201/201L	3/2 3 1 1 3/2	by the student in consultation with the departme beginning the application process.	should be determine nt advisor within tw	
Foundations of Biology Foundations of Biology: Biodiversity Organic Chemistry Organic Chemistry Lab Organic Chemistry Lab Microbiology College Physics	BIO 123/123L CHM 315 CHM 316 CHM 318L CHM 319L MIC 201/201L PHY 121/121L	3/2 3 1 1 3/2 3/1	by the student in consultation with the departments of individual schools may vary and by the student in consultation with the department beginning the application process.	should be determine nt advisor within tw	/0
Foundations of Biology Foundations of Biology: Biodiversity Organic Chemistry Organic Chemistry Lab Organic Chemistry Lab Microbiology College Physics College Physics	BIO 123/123L CHM 315 CHM 316 CHM 318L CHM 319L MIC 201/201L PHY 122/122L PHY 122/122L PHY 122/122L	3/2 3 1 1 3/2 3/1 3/1	requirements of individual schools may vary and by the student in consultation with the departme beginning the application process.	should be determine nt advisor within tw	/0
Foundations of Biology Foundations of Biology: Biodiversity Organic Chemistry Organic Chemistry Lab Organic Chemistry Lab Microbiology College Physics College Physics College Physics	BIO 123/123L CHM 315 CHM 316 CHM 318L CHM 319L MIC 201/201L PHY 121/121L PHY 122/122L PHY 123/123L	3/2 3 1 1 3/2 3/1 3/1 3/1 3/1	requirements of individual schools may vary and by the student in consultation with the departme beginning the application process. Unrestricted Electives Course Select a sufficient number of courses so that the	should be determine nt advisor within tw ne total from	/0
Foundations of Biology Foundations of Biology: Biodiversity Organic Chemistry Organic Chemistry Lab Organic Chemistry Lab Organic Chemistry Lab Microbiology College Physics College Physics College Physics College Physics Select 16 units from one or more emphasis	BIO 123/123L CHM 315 CHM 316 CHM 318L CHM 319L MIC 201/201L PHY 122/122L PHY 122/122L PHY 123/123L areas (reverse side):	3/2 3 1 1 3/2 3/1 3/1 3/1 3/1 3/1	requirements of individual schools may vary and by the student in consultation with the departme beginning the application process. Unrestricted Electives Course Select a sufficient number of courses so that the "Required Support", "GE" and Unrestricted Ele 102 units	should be determine nt advisor within tw ne total from ctives is at least	/0
Foundations of Biology Foundations of Biology: Biodiversity Organic Chemistry Organic Chemistry Lab Organic Chemistry Lab Organic Chemistry Lab Microbiology College Physics College Physics College Physics College Physics Select 16 units from one or more emphasis Molecular and Cellular Analytical, Biochemical and Clinical	BIO 123/123L CHM 315 CHM 316 CHM 318L CHM 319L MIC 201/201L PHY 122/122L PHY 122/122L PHY 123/123L areas (reverse side):	3/2 3 1 3/2 3/1 3/1 3/1 3/1 16	requirements of individual schools may vary and by the student in consultation with the departme beginning the application process. Unrestricted Electives Course Select a sufficient number of courses so that tl "Required Support", "GE" and Unrestricted Ele 102 units.	should be determine nt advisor within tw ne total from ctives is at least	
Foundations of Biology Foundations of Biology: Biodiversity Organic Chemistry Organic Chemistry Organic Chemistry Lab Organic Chemistry Lab Microbiology College Physics College Physics College Physics College Physics Select 16 units from one or more emphasis Molecular and Cellular Analytical , Biochemical and Clinical Food Science & Technology	BIO 123/123L CHM 315 CHM 316 CHM 318L CHM 319L MIC 201/201L PHY 121/121L PHY 122/122L PHY 123/123L areas (reverse side):	3/2 3 1 3/2 3/1 3/1 3/1 3/1 16	requirements of individual schools may vary and by the student in consultation with the departme beginning the application process. Unrestricted Electives Course Select a sufficient number of courses so that tl "Required Support", "GE" and Unrestricted Ele 102 units.	should be determine nt advisor within tw ne total from ctives is at least Total Units	

	GWT SatisfiedYes	No
General I	Education Requirements	
Area		Units
Area A	Communication & Critical Thinking	12
1	Oral Communication	
2	Written Communication	
3	Critical Thinking	
Area B	Mathematics & Natural Sciences	16
Select a	t least one lab course from sub-area 1 or 2.	
1	Physical Science	
2	Biological Science	
3	Laboratory Activity	
4	Math/Quantitative Reasoning	
5	Science & Technology Synthesis	
Area	C Humanities	16
1	Visual and Performing Arts	
2	Philosophy and Civilization	
3	Literature and Foreign Language	
4	Humanities Synthesis	
Area D	Social Sciences	20
1	U.S. History, Constitution, American Ideals	
2	History, Economics and Political Science	
3	Sociology, Anthropology, Ethnic & Gender Studies	
4	Social Science Synthesis	
Area E	Lifelong Understanding & Self Development	4
	Total Units	68
America	n Institutions	

Evaluator

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Courses that satisfy this requirement may also satisfy G.E. Area D1

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American Cultural Perspectives Requirement

Refer to catalog for list of courses that satisfy this requirements. Course may also satisfy major, minor, GE, or unrestricted elective requirements.

The following required support courses should be taken to satisfy the indicated GE Requirements to achieve the minimum units to degree listed at the top of this sheet.

Course		GE Area	
Freshman English I	ENG 104	A2	
Freshman English II	ENG 105	A3	
General Chemistry	CHEM 121/121L	B1, B3	
Foundations of Biology	BIO 121/121L	B2, B3	
Statistics with Applications	STA 120	B4	
Project Design Principles and Applications	AG 481/482	B5	
Ethical Issues in Food, Agricultural & Apparel			
Industries	AG 401	C4	
Agriculture in the Modern World	AG 101	D2	
General Psychology	PSY 201	E	
The remaining GE requirements may be satisfied by any course approved for that area.			

No more than 105 community college quarter units or 36 extension credit quarter units may be applied toward a Bachelor's degree.

A minimum 2.0 cumulative GPA is required in core (including option) courses, Cal Poly Pomona courses, and overall work completed in order to receive a degree in this major.

FOODS AND NUTRITION MAJOR DIRECTED ELECTIVE SHEET *Emphases: select 16 units from one or more of the following areas:*

Molecular and Cellular		
Biology of Cancer	BIO 302	(4)
Genetics	BIO 303	(4)
Advanced Genetics	BIO 421	(3)
Cell, Molecular and Developmental Biology	BIO 310	(4)
Cellular Physiology	BIO 428/428L	(4)
Neuroscience	BIO 424	(3)
Analytical, Biochemical and Clinical		
Quantitative Analysis	CHM 221/221L	(4)
Biochemistry	CHM 328/328L	(4)
Biochemistry	CHM 329/329L	(4)
Clinical Chemistry	CHM 331/331L	(2/2)
Spectroscopic Methods	CHM 342/342L	(2/2)
or Separation Methods	CHM 343/343L	(2/2)
or Electroanalytical Methods	CHM 344/344L	(2/2)
Bioanalytical Chemistry	CHM 450	(4)
Recombinant DNA Biochemistry	CHM 453	(3)
Food Science & Technology		
Meat Science and Industry	AVS 327/327L	(3/1)
Seafood and Poultry Processing Technology	AVS 328/328L	(3/1)
Meat Processing and Technology	AVS 427/427L	(3/1)
Food Laws & Regulation	FST 322	(4)
Food Safety & Current Issues	FST 325	(4)
Sensory Analysis of Foods	FST 418/418L	(2/2)
Food Chemistry	FST 420/420L	(2/2)
Food Analysis	FST 422/422L	(2/2)
Food Microbiology	MIC 320/320L	(3/1)

Community Nutrition and Dietetics		
Introductory Food Science	FN 121/121L	(2/2)
Experimental Food Science	FST 321/321L	(3/1)
Culture and Meal Patterns	FN 328/328L	(2/2)
Nutrition Education	FN 345/345L	(3/1)
Community Nutrition	FN 346/346L	(3/1)
Foodservice Systems Management I	FN 357/357L	(2/2)
Foodservice Systems Management II	FN 358/358L	(2/2)
Foodservice Systems Management III	FN 359/359L	(2/2)
Nutrition/International Development	FN/IA 445	(4)
Animal Nutrition		
Introduction to Animal Nutrition	AVS 100	(3)
Feeds and Feeding	AVS 101/101L	(1/1)
Equine Management Science	AVS 125/125L	(3/1)
and Equine Nutrition	AVS 355	(3)
Applied Animal Feeding	AVS 303/303L	(3/1)
Animal Nutrition	AVS 402	(3)
Ruminant Nutrition	AVS 403	(3)
Nutritive Analysis	AVS 424L	(2)
Kinesiology		
Foundations of Exercise Science	KIN 301/301L	(3/1)
Physiology of Exercise	KIN 303/303L	(3/1)
Physiology of Exercise II	KIN 403/403L	(3/1)
Science of Physical Aging	KIN 365	(4)
Sports Medicine	KIN 455	(4)
Exercise Metabolism and Weight Control	KIN 465	(3)