



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

Plan (Major) FOODS AND NUTRITION  
Subplan/Option Nutrition Science

Catalog Year 2012-2013 Name \_\_\_\_\_  
Minimum Units Required 180 Student ID \_\_\_\_\_

TGA \_\_\_\_\_  
GWT Satisfied \_\_\_\_\_ Yes \_\_\_\_\_ No \_\_\_\_\_

Required Core Courses		
Course		Units
Orientation to College of Agriculture	AG 100	1
Introduction to Professions	FN 100	1
Nutrition	FN 235	4
Introduction to Research	FN 263	4
<b>Total Units</b>		<b>10</b>

Required Subplan/Option Courses		
Course		Units
Introduction to Foods	FN 121/121L	2/2
Nutrition Through the Life Cycle	FN 335	4
Nutrition Education	FN 345/345L	3/1
Introduction to Food Science & Technology	FST 125	4
Experimental Food Science	FST 321/321L	3/1
Food Safety and Current Issues	FST 325	4
<b>Total Units</b>		<b>24</b>

Elective Subplan/Option Courses	
Course	Units
<i>Select 42 units from one of the following emphasis areas in consultation with your advisor:</i>	42
1) Nutrition and Health 2) Pre-Professional 3) Animal Science	
<i>See course list on back side.</i>	
<b>Total Units</b>	<b>42</b>

Required Support Courses		
Course		Units
Agriculture in the Modern World (D2)	AG 101	4
Ethical Issues in Food, Agricultural and Apparel (C4)	AG 401	4
Basic Biology (B2, B3)	BIO 115/115A/115L	3/1/1
or Foundations of Biology (B2, B3)	BIO 121/121L	(3/2)
Human Physiology	BIO 235/235L	(4/1)
General Chemistry (B1, B3)	CHM 121/121L	3/1
General Chemistry	CHM 122/122L	3/1
General Chemistry	CHM 123/123L	3/1
Elements of Organic Chemistry	CHM 201/250L	3/1
or Organic Chemistry	CHM 314/317L	(3/1)
Freshman English I (A2)	ENG 104	4
Freshman English II (A3)	ENG 105	4
Trigonometry	MAT 106	4
Calculus for Life Sciences	MAT 120	4
Basic Microbiology	MIC 201/201L	3/1
College Physics	PHY 121/121L	3/1
General Psychology (E)	PSY 201	4
Statistics with Applications (B4)	STA 120	4
<b>Total Units</b>		<b>66</b>

Unrestricted Electives	
Course	Units
Unrestricted Electives	0-2
Select a sufficient number of courses so that the total from "Required Support", "GE", and "Unrestricted Electives" is at least 104 units.	
<b>Total Units</b>	<b>0-2</b>

**Medical, Veterinary, Pharmacy and Dental School Admission Requirements**

This curriculum meets the requirements of many, but not all, schools. The requirements of individual schools may vary and should be determined by the student in consultation with the department advisor within two years of beginning the application process.

**Graduation Requirement**

Students must satisfactorily complete an assessment activity involving written and/or oral assignments and submission of a portfolio showing academic growth as a requirement for graduation.

General Education Requirements	
Area	Units
<b>Area A Communication &amp; Critical Thinking</b>	<b>12</b>
1 Oral Communication	
2 Written Communication	
3 Critical Thinking	
<b>Area B Mathematics &amp; Natural Sciences</b>	<b>16</b>
<i>Select at least one lab course from sub-area 1 or 2.</i>	
1 Physical Science	
2 Biological Science	
3 Laboratory Activity	
4 Math/Quantitative Reasoning	
5 Science & Technology Synthesis	
<b>Area C Humanities</b>	<b>16</b>
1 Visual and Performing Arts	
2 Philosophy and Civilization	
3 Literature and Foreign Language	
4 Humanities Synthesis	
<b>Area D Social Sciences</b>	<b>20</b>
1 U.S. History, Constitution, American Ideals	
2 History, Economics and Political Science	
3 Sociology, Anthropology, Ethnic & Gender Studies	
4 Social Science Synthesis	
<b>Area E Lifelong Understanding &amp; Self Development</b>	<b>4</b>
<b>Total Units</b>	<b>68</b>

American Institutions	
Course	Units
Courses that satisfy this requirement may also satisfy G.E. Area D1	8

American Cultural Perspectives Requirement	
Course	Units
Refer to catalog for list of courses that satisfy this requirements. Course may also satisfy major, minor, GE, or unrestricted elective requirements.	4

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	CHM 121/121L	B1, B3
Basic Biology	BIO 115/115A/115L	B2, B3
or Foundations of Biology	BIO 121/121L	(B2, B3)
Statistics with Applications	STA 120	B4
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.

## FOODS AND NUTRITION MAJOR DIRECTED ELECTIVE SHEET

*Emphases: select 42 units from one of the following areas:*

### **Nutrition and Health**

Drugs and Society	AVS 211	(4)
Biology of Cancer	BIO 302	(4)
Biology of the Brain	BIO 309	(4)
Sexually Transmitted Diseases: Current Issues	BIO 311	(4)
The Biology of Human Aging	BIO 328	(4)
Intercultural Communication	COM 327	(4)
Health, Nutrition & the Integrated Being	FN 203	(4)
Food and Culture	FN 228	(4)
Nutrition Activity	FN 235A	(1)
Special Study for Upper Division students	FN 400	(1-2)
Internship in Foods and Nutrition	FN 441, 442	(1-4)
Agriculture, Nutrition and International Health	FN/IA 445	(4)
Food Systems in Developing Nations I	FST 424	(4)
Food Systems in Developing Nations II	FST 425	(4)
Healthy American Cuisine	HRT 255	(4)
Foundations of Exercise Science	KIN 301	(4)
Physiology of Exercise	KIN 303/303L	(3/1)
Science of Physical Aging	KIN 365	(4)
Stress Management for Healthy Living	KIN 370	(4)
Consumer Health	KIN 380	(4)
Physiology of Exercise	KIN 403/403L	(3/1)
Drug Education	KIN 408	(4)
Sports Medicine	KIN 455	(4)
Exercise Metabolism and Weight Control	KIN 465	(4)
Multicultural Psychology	PSY 325	(4)
Health Psychology	PSY 326	(4)

### **Pre-Professional**

Foundations of Biology	BIO 122/122L	(3/2)
Foundations of Biology; Biodiversity	BIO 123/123L	(3/2)
Biology of Cancer	BIO 302	(4)
Genetics	BIO 303	(4)
Cell, Molecular & Developmental Biology	BIO 310	(4)
Advanced Genetics	BIO 421	(3)
Neuroscience	BIO 424	(3)
Cellular Physiology	BIO 428/428L	(4/1)
Quantitative Analysis	CHM 221/221L	(2/2)
Organic Chemistry	CHM 315/318L	(3/1)
Organic Chemistry	CHM 316/319L	(3/1)
Quantitative Analysis	CHM 321/321L	(2/2)
or Biochemistry/Laboratory	CHM 327/327L	(3/1)
Biochemistry	CHM 328/328L	(2/2)
Biochemistry	CHM 329/329L	(2/2)

Clinical Chemistry	CHM 331/331L	(3/3)
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)
Hecombinant DNA Biochemistry	CHM 453	(3)
Advanced Nutrient Metabolism I	FN 433	(4)
Advanced Nutrient Metabolism II	FN 434	(4)
Advanced Nutrient Metabolism III	FN 435	(4)
Exercise Science	KIN 303/303L	(3/1)
Sports Medicine	KIN 455	(4)
College Physics	PHY 122/122L	(3/1)
College Physics	PHY 123/123L	(3/1)

### **Animal Nutrition**

Fundamentals of Animal Nutrition	AVS 101	(4)
Equine Management Science	AVS 125/125L	(3/1)
and Equine Nutrition	AVS 355	(3)
Applied Animal Feeding	AVS 303/303L	(3/1)
Meat Science	AVS 327/327L	(3/1)
Seafood and Poultry Processing Technology	AVS 328/328L	(3/1)
Animal Nutrition	AVS 402	(3)
Ruminant Nutrition	AVS 403	(3)
Nutritive Analysis	AVS 424L	(2)
Meat Processing and Technology	AVS 427/427L	(3/1)
Foundations of Biology	BIO 122/122L	(3/2)
Foundations of Biology Biodiversity	BIO 123/123L	(3/2)
Organic Chemistry	CHM 315/318L	(3/1)
Organic Chemistry	CHM 316/319L	(3/1)
Biochemistry	CHM 321/321L	(2/2)
or Biochemistry/Laboratory	CHM 327/327L	(3/1)
Biochemistry	CHM 328/328L	(2/2)
Biochemistry	CHM 329/329L	(2/2)
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)
Advanced Nutrient Metabolism I	FN 433	(4)
Advanced Nutrient Metabolism II	FN 434	(4)
Advanced Nutrient Metabolism III	FN 435	(4)