



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

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

Catalog Year **2008-2009** Name \_\_\_\_\_  
Minimum Units Required **180** Student ID \_\_\_\_\_

Evaluator \_\_\_\_\_  
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 Food Science	FST 125	4
Nutrition through the Life Cycle	FN 335	4
Nutrient Drug Interactions	FN 343	2
Advanced Nutrient Metabolism I	FN 433	4
Advanced Nutrient Metabolism II	FN 434	4
Advanced Nutrient Metabolism III	FN 435	4
Medical Nutrition Therapy I	FN 443/443L	3/1
Medical Nutrition Therapy II	FN 444/444L	3/1
<b>Total Units</b>		<b>30</b>

Elective Subplan/Option Courses	
Course	Units
<i>Select 16 units from one or more emphasis areas (reverse side):</i>	16
Molecular and Cellular Analytical, Biochemical and Clinical Food Science & Technology	
Community Nutrition	
Animal Nutrition	
Kinesiology	
<b>Total Units</b>	<b>16</b>

Required Support Courses		
Course		Units
Freshman English I (A2)	ENG 104	4
Freshman English II (A3)	ENG 105	4
General Chemistry (B1, B3)	CHEM 121/121L	3/1
Foundations of Biology (B2, B3)	BIO 121/121L	3/2
Statistics with Applications (B4)	STA 120	4
Project Design Principles and Applications (B5)	AG 481/482	2/2
Ethical Issues in Food, Agricultural and Apparel Industries (C4)	AG 401	4
Agriculture in the Modern World (D2)	AG 101	4
General Psychology (E)	PSY 201	4
Foundations of Biology	BIO 122/122L	3/2
General Chemistry	CHM 122/122L	3/1
General Chemistry	CHM 123/123L	3/1
Organic Chemistry	CHM 314, 315, 316	9
Organic Chemistry Laboratory	CHM 317L, 318L, 319L	3
Elements of Biochemistry or Biochemistry/ Laboratory	CHM 321/321L	4
	CHM 327/L	(3/1)
College Physics	PHY 121, 122, 123	9
College Physics Laboratory	PHY 121L, 122L, 123L	3
Microbiology	MIC 201/201L	3/2
Calculus for Life Sciences	MAT 120	4
Human Physiology	ZOO 235/235L	3/1
<b>Total Units</b>		<b>91</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.

Unrestricted Electives	
Course	Units
Select a sufficient number of courses so that the total from "Required Support", "GE", and "Unrestricted Electives" is at least 124 units.	0-1
<b>Total Units</b>	<b>0-1</b>

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 Fine 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	Units
Courses that satisfy this requirement may also satisfy G.E. Area D1	8

American Cultural Perspectives Requirement	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	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.

## 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)