

**2011-13 Cal Poly Catalog****Food Science and Nutrition Department****BS NUTRITION**

☐ 60 units upper division ☐ GWR

☐ 2.0 GPA ☐ USCP

\* = Required in Major; also satisfies GE

Note: No major, support or concentration courses may be taken as credit/no credit.

**MAJOR COURSES**

FSN 101 Orientation/Food Science/Nutrition Majors	1
FSN 121 Fundamentals of Food	4
FSN 210 Nutrition	4
FSN 230 Elements of Food Processing	4
FSN 250 Food and Nutrition: Customs and Culture (D4)* (USCP)	4
FSN 310 Maternal and Child Nutrition	4
FSN 315 Nutrition in Aging	4
FSN 328, 329 Nutrient Metabolism I, II	4,4
FSN 415 Nutrition Education and Communications	4
FSN 420 Critical Evaluation of Nutrition Research	4
FSN 461 Senior Project I	3
MCRO 221 Microbiology or MCRO 224 General Microbiology I (B2 & B4)*	4
CHEM 127 General Chemistry I (B3&B4)*	4
CHEM 128 General Chemistry II	4
<sup>1</sup> CHEM 312 Survey of Organic Chemistry or CHEM 216 Introduction to Organic Chemistry I or CHEM 316 Organic Chemistry I (transfer equivalents CHEM 212, 216)(9/5/12)	5
<sup>1</sup> CHEM 313 Surv Biochemistry & Biotechnology or CHEM 371 Biochemical Principles	5
ECON 201 Survey of Economics (D2)*	4
MATH 118 Pre-Calculus Algebra (B1)* (MATH 116 & 117 substitute)	4
STAT 218 Applied Statistics Life Sciences (B1)*	4
BIO 161 Intro to Cell and Molecular Biology	4
Concentration courses (see below)	56
	<b>138</b>

**GENERAL EDUCATION (GE)**

72 units required, 24 of which are specified in Major.

→See page 39 for complete GE course listing.

→Minimum of 12 units required at the 300 level.

**Area A Communication (12 units)**

A1 Expository Writing	4
A2 Oral Communication	4
A3 Reasoning, Argumentation, and Writing	4

**Area B Science and Mathematics (no additional units req'd)**

B1 Mathematics/Statistics * 8 units in Major	0
B2 Life Science * 4 units in Major	0
B3 Physical Science * 4 units in Major	0
B4 One lab taken with either a B2 or B3 course	

**Area C Arts and Humanities (20 units)**

C1 Literature	4
C2 Philosophy	4
C3 Fine/Performing Arts	4
C4 Upper-division elective	4
Area C elective (Choose one course from C1-C4)	4

**Area D/E Society and the Individual (12 units)**

D1 The American Experience (40404)	4
D2 Political Economy * 4 units in Major	0
D3 Comp. Social Institutions	4
D4 Self Dev. (CSU Area E) * 4 units in Major	0
D5 Upper-division elective	4

**Area F Technology Elective (upper division) (4 units)****48****FREE ELECTIVES****0****186****CONCENTRATIONS (select one)****Applied Nutrition Concentration**

FSN 321 Culinary Mgt: Principles and Practice	4
FSN 343, 344 Institutional Foodservice I, II	3,4
FSN 416 Community Nutrition	4
FSN 417 Nutrition Counseling	4
FSN 426 Food Systems Management	4
FSN 429, 430 Clinical Nutrition I, II	4,4
BIO 302 Human Genetics or BIO 303 Survey of Genetics	4
PSY 201/202 General Psychology	4
ZOO 331, 332 Human Anatomy/Physiology I, II or BIO 231 (formerly ZOO 231) and BIO 232 (formerly ZOO 232) (8/25/15)	5,5
<sup>1</sup> Approved electives. Select from:	7
ASCI 211;	
BIO 162;	
BUS 207, 212;	
CHEM 129, 377;	
COMS 301;	
DSCI 231, 232;	
ECON 303;	
ENGL 310;	
FSN 244, 275, 304, 341, 374;	
JOUR 203, 205, 312, 342;	
KINE 301, 303;	
MCRO 225, 320, 342, 421, 423;	
PHIL 339; PSY 256, 317, 318, 340, 405;	
SCM 451; one quarter of foreign language	

**56****Nutrition and Food Industries Concentration**

FSN 275 Principles of Food Safety and Hazard Analysis	4
FSN 311 Sensory Evaluation of Food	4
FSN 364 Food Chemistry	4
FSN 368 Food Analysis	4
FSN 374 Food Laws and Regulations	4
FSN 408 Food Comp. Science and Product Dev.	4
FSN 410 Nutr Implications of Food Ind Practices	4
AGB 301 Agricultural Marketing	4

<sup>1</sup> Most Nutrition majors should take the lower numbered courses. Students choosing the Nutrition Science concentration may need to take higher numbered courses, depending on their career goals and approved electives. Students selecting CHEM 216 or CHEM 316 must also take CHEM 317 and CHEM 318. See advisor. (9/5/12)

Select one from: ASCI 211; FSN 204, 244, 341; or DSCI 231 (3) and DSCI 232 (1).....	4
Select one from: DSCI 230, FRSC 230, VGSC 230	4
<sup>1</sup> Approved electives. Select from: .....	16
AGC 407;	
AGED 404;	
ASCI 211, 384, 415;	
COMS 301;	
DSCI 231, 232;	
ENGL 210, 310;	
FSN 204, 244, 270, 304, 321, 330, 334, 335, 341, 343, 344, 426, 444, 474;	
JOUR 203, 205, 312, 331, 342, 407;	
MCRO 421;	
PHYS 121;	
PSY 201/202	
	56

**Nutrition Science Concentration**

FSN 416 Community Nutrition .....	4
FSN 429 Clinical Nutrition I .....	4
FSN 430 Clinical Nutrition II.....	4
BIO 302/BIO 351/BIO 303 .....	4
PHYS 121 College Physics I.....	4
ZOO 331, 332 Human Anatomy/Physiology I, II <i>or</i> BIO 231 (formerly ZOO 231) and BIO 232 (formerly ZOO 232) (8/25/15).....	5,5
<sup>1</sup> Approved electives. Select from: .....	26
ASCI 403, 503;	
BIO 160, 162, 253, 305, 405, 426, 452, 476;	
BUS 207, 212;	
CHEM 129, 217, 218, 231, 317, 318, 319, 331, 372, 373, 375, 377, 458, 474, 477;	
COMS 418;	
ECON 303;	
FSN 417;	
KINE 181, 301, 302, 303, 304, 305, 308, 402, 406, 445, 446;	
MATH 161/141, 162/142, 143;	
MCRO 225, 320, 342, 402, 421, 423, 433;	
PHIL 339;	
PHYS 122, 123;	
PSY 201/202, 256, 310, 317, 318, 330, 340, 405, 460, 472;	
SCM 101, 363, 451;	
SOC 326;	
ZOO 422, 425, 428;	
one quarter of foreign language (9/5/12)	
	56

<sup>1</sup> Please consult the FSN advising materials and catalog for prerequisites.