BS FOOD SCIENCE

2007-09 Cal Poly Catalog

Food Science and Nutrition Department
Agricultural Sciences Bldg. (11), Room 244
(805) 756-2660

- 60 units upper division
- GWR
- 2.0 GPA
- USCP

* = Satisfies General Education requirement

MAJOR COURSES

FSN 125 Introduction to Food Science .................... 5
FSN 204 Food Processing Operations ..................... 4
FSN 210 Nutrition .................................................... 4
FSN 250 Food/Nutrition: Customs/Culture (D4)* 4
FSN 270 Food and Wine Plant Sanitation .......... 4
FSN 275 Principles of Food Safety & Hazard Anly 4
FSN 311 Sensory Evaluation of Food................ 4
FSN 330 Intro to Principles of Food Engineering..... 4
FSN 334 Food Packaging......................................... 3
FSN 335 Food Quality Assurance............................ 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 444 Engineering Concepts in Food Processing 4
FSN 461 Senior Project I ......................................... 3
FSN 462 Senior Project II ........................................ 3
FSN 474 Advanced Food Processing....................... 4
Concentration courses (see below) ....................... 20-21

90-91

SUPPORT COURSES

BIO 111 General Biology (B2 & B4)* .................... 4
CHEM 312 Survey of Organic Chemistry or
CHEM 316 Organic Chemistry I.......................... 5
CHEM 313 Survey of Biochemistry and Biotech. 5
MATH 118 Pre-Calculus Algebra (B1)* ............. 4
MCRO 221 Microbiology ..................................... 4
MCRO 421 Food Microbiology.......................... 4
PHYS 104 Introductory Physics ......................... 4
STAT 218 Applied Statistics/Life Sciences (B1)* 4
Advisor approved electives ............................... 10-11

44-45

GENERAL EDUCATION (GE)

72 units required; 20 units are in Major/Support.

- See page 56 for complete GE course listing.
- Minimum of 12 units required at the 300-400 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 add'l units req'd)

B1 Mathematics/Statistics * 8 units in Support.... 0
B2 Life Science * 4 units in Support................. 0
B3 Physical Science * 4 units in Concentrations 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 (16 units)

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

Area F Technology Elective (upper division) (4 units) 4

52

ELECTIVES .......................................................... 0

186

CONCENTRATIONS (select one)

Applied Food Technology Concentration

CHEM 111 Survey of Chemistry (B3)* .............. 5
FSN 410 Nutritional Implications of Food Industry
Practices ......................................................... 4
Commodity courses Choose 3 from the following: 12
ASCI 384, ASCI 415;
DSCI 231, DSCI 223, DSCI 434;
FSN 201, FSN 244, FSN 341, FSN 401 ;
FRSC 230, FRSC 231, FRSC 331;
PM 325, PM 330;
VGSC 230

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Basic Food Science Concentration

BIO 303 Survey of Genetics ............................... 4
CHEM 127 General Chemistry (B3)* ................. 4
CHEM 128 General Chemistry ......................... 4
MATH 161 Calculus for Life Sciences I ............. 4
MATH 162 Calculus for Life Sciences II ............ 4

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