

**2009-11 Cal Poly Catalog**  
**Dairy Science Department**

**BS DAIRY SCIENCE**

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

\* = Required in Support; also satisfies GE  
 Note: No major or support courses may be taken as credit/no credit.

**MAJOR COURSES**

DSCI 100 Enterprise Project <i>or</i>	
DSCI 339 Internship in Dairy Science .....	2
DSCI 101 Dairy Feeds and Feeding.....	4
DSCI 121 Elements of Dairying <i>or</i>	
DSCI 230 General Dairy Husbandry.....	4
DSCI 123 Dairy Science Orientation .....	1
DSCI 134 Intro. to Dairy Products Tech (4) <i>or</i>	
DSCI 231 General Dairy Manufacturing (3) <i>and</i>	
DSCI 232 Gen Dairy Manufacturing Lab (1).....	4
DSCI 202 Dairy Promotion and Marketing .....	4
DSCI 223 Frozen Dairy Foods <i>or</i>	
DSCI 241 Dairy Cattle Selection, Breeds, Fitting	
<i>and</i> Showing .....	4
DSCI 233 Milk Processing and Inspection .....	4
DSCI 234 Dairy Foods Evaluation.....	2
DSCI 301 Dairy Cattle Nutrition <i>or</i>	
DSCI 401 Physical and Chemical Properties of	
Dairy Products .....	4
DSCI 321 Lactation Physiology <i>or</i>	
DSCI 444 Dairy Microbiology.....	4
DSCI 330 Artificial Insemination and Embryo	
Biotechnology <i>or</i> DSCI 434 Cheese and	
Fermented Dairy Foods .....	4
DSCI 333 Dairy Cattle Management, Safety and	
Animal Well-Being <i>or</i> DSCI 402 Quality	
Assurance and Control of Dairy Products .....	4
DSCI 422 Breeding and Genetics of Dairy Cattle	
<i>or</i> DSCI 435 Concentration/Fractionation and	
Butter Technology .....	4
DSCI 432 Advanced Dairy Herd Management <i>or</i>	
DSCI 433 Dairy Plant Mgt. & Equipment.....	4
DSCI 461 Senior Project.....	3
DSCI 463 Undergraduate Seminar.....	2
	<b>58</b>

**SUPPORT COURSES**

\* = Satisfies General Education requirement

MCRO 221 Microbiology (B2 & B4)* .....	4
CHEM 111 Survey of Chemistry <i>or</i> CHEM 127	
General Chemistry (B3&B4)* .....	5/4
CHEM 312/BIO 111/ <b>BIO 115/BIO 151/BIO 161</b> ...	5/4
10/22/09	
MATH 118 Pre-Calculus Algebra (B1)* .....	4
(MATH 116 & 117 substitute)	

<sup>1</sup> Approved electives.....	41
<i>Select 41 units from the following. At least 18 units must be 300-400 level:</i>	
AGB 212, 301, 310, 321, 401;	
AGED 102, 330, 404;	
ASCI 112, 211, 216, 221, 226, 304, 311, 351,	
366, 405, 420;	
ASCI/VS 229, 310, 312, 438, 440;	
BIO 162, 303;	
BRAE 121, 141;	
BUS 212;	
CHEM 128, 129, 312, 313, 316, 317, 371;	
COMS 301;	
CRSC 123;	
Any DSCI course;	
EHS 230;	
FRSC 230;	
FSN 125, 230, 270, 275, 330, 335;	
JOUR 203, 205;	
MCRO 342, 421;	
NR 141;	
PHYS 121, 122;	
STAT 130, 218, 313;	
VGSC 230;	
Any courses used in the following minors:	
Agribusiness	
Agricultural Communication	
Crop Science	
Equine Science	
Food Science	
Poultry Management	
Soil Science	

**57/59**

**GENERAL EDUCATION (GE)**

72 units required, 12 of which are specified in Support.  
 →See page 50 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 (4 units)**

B1 Mathematics/Statistics * 4 units in Support plus	4
B2 Life Science * 4 units in Support .....	0
B3 Physical Science * 4 units in Support.....	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

<sup>1</sup> Consultation with advisor is recommended prior to selecting approved electives; bear in mind your selections may impact pursuit of post-baccalaureate studies and/or goals.

<b>Area D/E Society and the Individual (20 units)</b>	
D1 The American Experience (40404) .....	4
D2 Political Economy .....	4
D3 Comparative Social Institutions .....	4
D4 Self Development (CSU Area E) .....	4
D5 Upper-division elective .....	4
<b>Area F Technology Elective (upper division)</b>	
(4 units).....	<u>4</u>
	<b>60</b>
<b>FREE ELECTIVES</b> .....	<u><u>3/5</u></u>
	<b>180</b>