

BS DAIRY SCIENCE

2007-09 Cal Poly Catalog

Dairy Science Department

Dairy Science Bldg. (18-2), Room 100
(805) 756-2560

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

* = Satisfies General Education requirement

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 Technology <i>or</i>	
DSCI 231 General Dairy Manufacturing.....	4
DSCI 202 Dairy Promotion and Marketing	4
DSCI 223 Frozen Dairy Foods <i>or</i>	
DSCI 241 Dairy Cattle Selection, Breeds, Fitting and 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
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SUPPORT COURSES

* = Courses satisfy 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 Survey Organic Chemistry <i>or</i>	
BIO 111 General Biology.....	5/4
¹ MATH 118 Pre-Calculus Algebra (B1)*	4

Advisor approved electives 41
At least 18 units must be 300-400 level. May be selected from one of the following areas: dairy management, dairy industry, pre-veterinary, agricultural communications, agricultural education, pre-graduate studies in dairy products technology or pre-graduate studies in dairy production.

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GENERAL EDUCATION (GE)

72 units required; 12 units are in 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 (4 units)

B1 Mathematics/Statistics * 4 units in Support ...	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

Area D/E Society and the Individual (20 units)

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

Area F Technology Elective (upper division)

(4 units)	4
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ELECTIVES **3/5**

180

¹ MATH 116 and 117 substitute for MATH 118 and are taught at a slower pace. Upon completion of both MATH 116 and MATH 117, a student receives 4 units of GE credit for Area B1.