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 or
DSCI 339 Internship in Dairy Science .......... 2
DSCI 101 Dairy Feeds and Feeding......................... 4
DSCI 121 Elements of Dairying or
DSCI 230 General Dairy Husbandry ............ 4
DSCI 123 Dairy Science Orientation ....................... 1
DSCI 134 Intro. to Dairy Products Technology or
DSCI 231 General Dairy Manufacturing .......... 4
DSCI 202 Dairy Promotion and Marketing .......... 4
DSCI 223 Frozen Dairy Foods or
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 or
DSCI 401 Physical and Chemical Properties of Dairy Products ...................................................... 4
DSCI 321 Lactation Physiology or
DSCI 444 Dairy Microbiology .............................. 4
DSCI 330 Artificial Insemination and Embryo Biotechnology or DSCI 434 Cheese and Fermented Dairy Foods ...................................................... 4
DSCI 333 Dairy Cattle Management, Safety and Animal Well-Being or DSCI 402 Quality Assurance and Control of Dairy Products .......... 4
DSCI 422 Breeding and Genetics of Dairy Cattle or DSCI 435 Concentration/Fractionation and Butter Technology ...................................................... 4
DSCI 432 Advanced Dairy Herd Management or 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 or CHEM 127 General Chemistry (B3&B4)* .......................... 5/4
CHEM 312 Survey Organic Chemistry or
BIO 111 General Biology ........................................ 5/4
MATH 118 Pre-Calculus Algebra (B1)* .................. 4

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.

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

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