

2011-13 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 or DSCI 339 Internship in Dairy Science ASCI 290 or ASCI 339 (12/6/16)	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 231 General Dairy Manufacturing (3) and DSCI 232 Gen Dairy Manufacturing Lab (1)	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
² DSCI 333 Dairy Cattle Management, Safety and Animal Well-Being (4) or DSCI 402 Quality Assurance and Control of Dairy Products (4) or DSCI 412 Dairy Farm Consultation (4) or ASCI 415 HACCP for Meat and Poultry Operations (3) (6/15/12)	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
	58

SUPPORT COURSES

* = Satisfies 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/BIO 111/BIO 115/BIO 161	5/4
MATH 118 Pre-Calculus Algebra (B1)*	4
(MATH 116 & 117 substitute)	
¹ Approved electives.....	41

Select 41 units from the following. At least 18 units must be 300-400 level. Consult with academic advisor regarding career tracks:

AGB 212, 214 , 301, 310, 321, 401; (10/28/13)
AGED 102, 330, 404;
ASCI 112, 211, 216, 221, 226, 229, 304, 310, 311, 312, 351, 366, 405, 420, 438, 440;
BIO 162, 303;
BRAE 121, 141;
BUS 212;
CHEM 128, 129, 216, 217 , 312, 313, 316, 317, 371; (7/12/12)
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 313;
VGSC 230;
Any courses used in the following minors: Agribusiness, Agricultural Communication Crop Science, Equine Science Food Science, Poultry Management Soil Science
Total units for Support Courses: 57/59

GENERAL EDUCATION (GE)

72 units required, 12 of which are specified in Support.

→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 (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

¹ 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.

² If **ASCI 415 (3)** is taken to meet the requirement, an additional unit of 300-400 level approved electives is required as well.

Area D/E Society and the Individual (20 units)	4
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)	<u>4</u>
	60
FREE ELECTIVES	<u><u>3/5</u></u>
	180