Animal Science Department

BS Animal 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

ASCI 101 Introduction to the Animal Sciences........ 2
ASCI 112 Principles of Animal Science.............. 4
ASCI 211 Meat Science.................................. 4
ASCI 220 Intro. Animal Nutrition and Feeding..... 4
ASCI 304 Animal Breeding---------------------------- 3
ASCI 320/ASCI 313/ASCI 371.......................... 4-5
ASCI 351 Reproductive Physiology................... 4
ASCI 461 Senior Project Planning........................ 1
ASCI 462 Senior Project.................................. 2
ASCI 476 Issues in Animal Agriculture................ 3
ASCI 476 (3), or ASCI 477 (3), or ASCI 478 (3),
or ASCI 461, 462 (1)(2) (5/25/10)................. 3
ASCI 363 Undergraduate Seminar........................ 2
(Winter 2011)
VS/ASCI 229 Anatomy and Physiology of Farm Animals............................................ 4

Production courses (select one from each of the
three categories):............................................ 12
Ruminants: ASCI 221 Intro. Beef Prod. (4) or
ASCI 223 Syst. Sheep Prod. (4)
Nonruminants: PM/ASCI 225 Intro. Poultry
Mgmt (4) or ASCI 222 Syst. Swine Prod. (4)
Companion Animals: ASCI 224 Equine Science
(4) or ASCI 227 Companion Animal Sci. (4)

Nutrition (select one)...................................... 3-4
ASCI 346, 350, 355, 420; DSCI 301

Physiology (select one).................................. 3-5
ASCI 333, 347, 366, 405, 406; DSCI 330;
VS/ASCI 438, 440

Technology/Management (select two)............... 6-9
AG 360/AG 450; ASCI 311, 329, 384, 403,
406, 415, 450, 455; PM/ASCI 325, 330, 342;
VS/ASCI 312, 440

Approved electives........................................ 28-35
Select courses from a career elective area
(CEA); see Approved Electives Guide, below. 31-38

Support Courses

BIO 111 General Biology or BIO 161 Intro to
Cellular and Molecular Biology (B2 & B4)........ 4
BIO 302/BIO 303/BIO 351.............................. 4/5
CHEM 111/127 Survey of Chemistry (B3&B4)*.... 5/4
CHEM 312 Survey of Organic Chemistry or
CHEM 316 Organic Chemistry (transfer
equivalents CHEM 212, 216)......................... 5
MATH 118 Pre-Calculus Algebra (MATH 116 &
117 substitute) or MATH 161 Calculus Life
Sciences I (B1)*......................................... 4

1-3

60

Approved Electives Guide

Approved electives have been categorized by career area to
guide students in their selections. Advisor approval of
electives is not required, but consultation with an advisor is
recommended. Bear in mind that selection may impact
pursuit of post-baccalaureate studies and/or goals.

Approved Career Elective Areas.......................... 31-38
Select Career Elective Area (CEA) of choice:

Pre-Veterinary Medicine Career Elective Area

a) Core (26 units):
- BIO 161†, 162, 303†, 351†;
- CHEM 128, 129, 317;
- PHYS 121, 122;

b) Select 5-12 units from:
- ASCI 315†, 320†, 333†, 339†, 347†, 366†, 405†, 420†;
- ASCI/PM 290/490†;
- CHEM 127†, 318, 371†, 372;
- DSCI 330†;
- MATH/HNRS 141/MATH 161(B1);
- MATH/HNRS 142/MATH 162 (B1);
- MCRO 221; PHYS 123;
- STAT 218 (B1);
- VS/ASCI 438†, 440†

†† A maximum of 6 units of CR/NC courses may be counted toward the
degree.

96

2009-2011 Cal Poly Catalog
Biotechnology Career Elective Area
ASC 339†, 366†, 403†, 405†, 406†; ASCI/PM 290/490††; ASCI/VS 440†; BIO 161†, 162, 351†; BIO/CHM 375, 476; CHEM 127†, 128, 129, 316†, 317, 373, 377, 474, 477, 478; MCRO 221, 224, 225; SCM 201

Food Animal Production Career Elective Area
AG 360† (GE Area F); AGB 321, 322, 401 (USCP); ASCI 221†, 222†, 223†, 226, 311†, 329†, 339††, 450†; ASCI/PM 225†, 290/490††; BIO 427; CRSC 123; DSCI 230; NR 142; NR/LA 318; SPAN 101; SS 121; VS/ASC 312†

Comparative Animal Biology Studies Career Elective Area
ASC 339††; ASCI/PM 290/490††; ASCI/VS 203, 321; BIO 113, 162, 227, 263, 325, 327; PSY 458; ZOO 321, 323, 341, 425, 437

Equine Science Career Elective Area
ASC 214, 224†, 228, 265, 315†, 324, 329†, 333†, 339††, 344, 345, 346†, 347†, 455†; ASCI/PM 290/490††

Poultry Management Career Elective Area
a) Core (24 units):
ASC 330†, 350†, 415†; ASCI/PM 225†, 325†, 342
b) Select 7-14 units from:
AG 310, 317, 409; ASCI 339††; ASCI/PM 290/490††; ASCI/VS 440†; BUS 207, 212, 346; ENGL 310; FSN 270, 275, 323, 334, 335

Rangeland Resource Management Career Elective Area
AG 360† (GE Area F); ASCI 311†, 329†; ASCI/PM 290/490††; BIO 263, 435; NR 306, 320, 335, 418; NR/CRP 404; NR/LA 318; SS 121, 321

Meat Science Career Elective Area
ASC 216, 339††, 384†, 415†, 425, 480; ASCI/PM 290/490††; FSN 125, 270, 275; MCRO 221, 421

Agribusiness Career Elective Area
a) Core (28 units):
AGB 212, 301, 310, 312, 322, 401 (USCP); AGB 214/AGB 321/BUS 212
b) Select 3-10 units from:
AGB 313, 315; ASCI 311†, 329†, 384†, 415†; ASCI/PM 290/490††

† If any of these courses is taken to meet a major/support requirement, it cannot be double-counted as an approved elective.

†† A maximum of 6 units of CR/NC courses may be counted toward the degree.