

BS ANIMAL SCIENCE

2015-2017

updated 09.27.16

Units Required 180

NOTE: This document can be used as a compact display of courses and other curricular requirements at the time of publication of the 2015-2017 catalog. The Degree Progress Report must be used to track students' progress in all degree requirements, throughout their Cal Poly career.

Note: No major or support courses may be taken selected as credit/no credit.

Table with 2 columns: Course Name and Units. Includes Major Courses (90-97) and Production courses.

From the Biochemistry/Chemistry, Nutrition, Physiology, Technology/Management and Approved Electives courses, 26-32 units must be upper-division, depending on the number of upper-division units taken in Support courses.

Table with 2 columns: Course Name and Units. Includes Biochemistry/Chemistry, Nutrition, Physiology, Technology/Management, and Approved Electives.

SUPPORT COURSES (25-27)

Table with 2 columns: Course Name and Units. Lists support courses like BIO 111, CHEM 312, MATH 118, and STAT 218.

GENERAL EDUCATION (GE)

56

72 units required, 16 of which are specified in Support.

Minimum of 12 units required at the 300 level.

Area A Communication

12

Table with 2 columns: Course Name and Units. Lists communication courses A1, A2, and A3.

Area B Science and Mathematics (no add'l units req'd)

16 units are listed in Support 2

Area C Arts and Humanities

20

Table with 2 columns: Course Name and Units. Lists arts and humanities courses C1 through C5.

Area D/E Society and the Individual

20

Table with 2 columns: Course Name and Units. Lists society and individual courses D1 through D5.

Area F Technology (upper div) 4

FREE ELECTIVES 0-9

1 ASCI 490 may be substituted for ASCI 290. 2 Required in Support; also satisfies GE 3 CHEM 212 accepted in lieu of CHEM 312, but not for upper division credit. 4 MATH 116 and MATH 117 substitute

OTHER DEGREE REQUIREMENTS:

- Cal Poly, Higher Ed, and Major GPA must all be at least 2.00
For students admitted Fall 2016 and after, a grade of C- or higher is required in GE A1, A2, A3, and one GE B1 course

All students must complete:

- United States Cultural Pluralism Requirement
Graduation Writing Requirement
60 units Upper Division (any 300-400 level classes)
Upper Division units in the Major: 27
Residency Requirements: See Degree Progress Report for details

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 to ensure that the required number of upper-division units is met. Also, bear in mind that selection may impact pursuit of post-baccalaureate studies and/or goals.

Approved Career Elective Areas..... 28

Select Career Elective Area (CEA) of choice:

Pre-Veterinary Medicine Career Elective Area

a) Core (25 units):

BIO 162;
CHEM 128, 129, 217, 220;
PHYS 121, 122;

b) Select 3 units from the following:

ASCI 227†, 290/490††, 310† 315†, 320†, 333†, 339††,
347†, 366†, 405†, 420†, 438†, 440†;
BIO 160, 161†, 303†, 351†, 361;
CHEM 218, 223, 371†, 372;
DSCI 330†;
MATH/HNRS 141/MATH 161† (B1);
MATH/HNRS 142/MATH 162 (B1);
MCRO 221;
PHYS 123, 131, 132, 133, 141, 200

Biotechnology Career Elective Area

ASCI 290/490††, 339††, 366†, 403†, 405†,
406†, 407, 440†;
BIO 161†, 162, 202, 231, 232, 351†,
BIO/CHEM 475, 476;
CHEM 128, 129, 216†, 217, 220, 373, 377,
474, 477, 478;
MCRO 221, 224, 225

Food Animal Production Career Elective Area

AEPS 150
AG/ASCI 360† (GE Area F);
AGB 322;
ASCI 212, 221†, 222†, 223†, 225†, 226, 260
290/490††, 311†, 312†, 329†, 339††, 450†;
BIO 427;
DSCI 230, 301, 330;
NR 142; NR/LA 218;
SPAN 101;
SS 121

Comparative Animal Biology Studies Career Elective Area

ASCI 203, 290/490††, 321, 339††;
BIO 162, 227, 263, 327, 442;
PSY 458;
ZOO 321, 323, 341, 425

Equine Science Career Elective Area

ASCI 214, 224†, 228, 265, 290/490††, 315†,
324, 329†, 333†, 339††, 344, 345, 346†,
347†, 455†

Poultry Management Career Elective Area

a) Core (23 units):

ASCI 225†, 325†, 330†, 342, 350†, 415†;

b) Select 5 units from:

AGB 310, 390;
ASCI 290/490††, 339††, 440†;
BUS 207, 212, 346;
ENGL 310;
FSN 275, 334, 335, 370

Rangeland Resource Management Career Elective Area

AG/ASCI 360† (GE Area F);
ASCI 290/490††, 311†, 329†, 370, 460;
BIO 263, 435;
NR 306, 320, 335, 418;
NR/CRP 404; NR/LA 218;
SS 121, 321

Meat Science Career Elective Area

ASCI 290/490††, 339††, 384†, 415†,
425;
FSN 125, 275, 370;
MCRO 221, 421

Agribusiness Career Elective Area

AGB 212, 301, 310, 312, 313, 315, 322,
AGB 214/BUS 212
ASCI 290/490††, 311†, 329†, 384†, 415†

† 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 approved electives.