

BS ANIMAL SCIENCE

2020-2021

updated
1.11.20

Units Required 180

NAME _____

STUDENT ID _____

MINOR _____

- Cal Poly, Higher Ed, and Major GPA at least 2.00 [] YES [] NO
- US Cultural Pluralism Met [] YES [] NO
- 60 Units Upper Division Met Taken/Remaining [] YES [] NO
- GWR Met [] YES [] NO
- Upper Div GE Met Taken/Remaining [] YES [] NO
- Free Electives Met [] YES [] NO
- C- or higher in A1, A2, A3, and B4 [] YES [] NO
- Residency Requirements Met [] YES [] NO



CAL POLY

NOTE: This is a snapshot of the curriculum as originally published in the catalog. The Degree Progress Report (DPR) reflects updates to the published catalog. The DPR will be used to award your degree and calculate your EAP.

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

MAJOR COURSES (88-93)	Units	Grade	Grd Pts
ASCI 101 Intro to the Animal Sci	2		
ASCI 112 Principles of Animal Sci	4		
ASCI 211 Meat Science	4		
ASCI 220 Intro Animal Nutr & Feed	4		
ASCI 229 Anat/Phys Farm Animals	4		
ASCI 290 or 490 Enterprise	4		
ASCI 304 Animal Genomics	3		
ASCI 351 Reproductive Physiology	4		
ASCI 363 Undergraduate Seminar	2		
ASCI 477 or 478 or 479	3		
<i>Production courses: (select one from each)</i>			
Ruminants: ASCI 221 or ASCI 223 or DSCI 230			
Nonruminants: ASCI 222 or ASCI 225			
Companion Animals: ASCI 224 or 227 or 239	12		

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.

<i>Biochemistry/Chemistry (select one)</i> ASCI 320, CHEM 313, CHEM 371	4/5		
<i>Nutrition (select one)</i> ASCI 346, 350, 355, 420; DSCI 301	3/4		
<i>Physiology (select one)</i> ASCI 333, 347, 366, 405, 406, 438, 440, 455; DSCI 321, 330	3-5		
<i>Technology/Management (select two)</i> AG/ASCI 360 or AG 450; ASCI 310, 311, 312, 315, 325, 330, 340, 342, 366, 370, 372, 403, 406, 407, 410, 415, 440, 450, 455, 460, 465, 484	8-9		
Approved Electives <i>Select courses from the list of approved electives; see Approved Electives Guide on reverse. Depending on course selections in other areas, up to 14 units of 300-400 level courses may be required. Please consult with faculty and/or academic advisor to verify Upper Division unit requirements.</i>	24		

SUPPORT COURSES (29-30)

BIO 111 or BIO 161 (B2 & B3) ¹	4
BIO 302 (B5) or BIO 303 or BIO 351.....	4/5
CHEM 127 Chem for Ag and Life Sci I (B1&B3) ¹	4
CHEM 128 Chem for Ag and Life Sci II.....	4
CHEM 312 or CHEM 216 ²	5
MATH 118 ³ or MATH 161 (B4) ¹	4
STAT 218 Applied Stat/Life Sci (GE Area Elec) ¹	4

GENERAL EDUCATION (GE)

72 units required, 16 of which are listed in Major/Support.

Minimum of 12 units required at the 300 level.

Area A English Language Comm and Critical Thinking 12

A1 Oral Communication	4
A2 Written Communication	4
A3 Critical Thinking	4

Area B Math, Science, and Quantitative Reasoning 4

B1 Physical Science (8 units in Support) ¹	
B2 Life Science (4 units in Support) ¹	
B3 Laboratory Activity (4 units in Support) ¹	
B4 Mathematics/Quantitative Reasoning	
Upper-Division B	4

Area C Arts and Humanities 16

Lower-division courses in Area C must come from three different subject prefixes

C1 Arts ³	4
C2 Humanities ³	4
Lower-Division C Elective: C1 or C2 ³	4
Upper-Division C	4

Area D Social Sciences 16

D1 American Institutions (Title 5, Sec. 40404).....	4
<i>Courses in D2 must come from two different subject prefixes</i>	
D2 Lower-Division D ⁴	4
D2 Lower-Division D ⁴	4
Upper-Division D	4

Area E Lifelong Learning & Self-Development 4

Lower-Division E.....	4
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GE Electives in Area C or D 4

Select a course from Area C or D; may be lower- or upper- division	
GE Elective (Area C or D).....	4
GE Elective (4 units B in Major)	

FREE ELECTIVES 1-7

¹ Required in Support; also satisfies GE

² CHEM 212 accepted in lieu of CHEM 312, but not for upper division credit.

³ MATH 116 and MATH 117 substitute

⁴ C1, C2, and C elective must come from three different subject prefixes.

⁵ Second D2 must be a different subject prefix from the first D2.

Approved Electives Guide

Approved electives have been organized by area of interest to guide students in their selections. Any course on this list can be used as an elective; courses not on this list can serve as an elective but require faculty advisor approval. Consultation with a faculty 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.....24

Pre-Veterinary Medicine

ASCI 227⁴, 290/490⁵, 310⁴ 315⁴, 320⁴, 333⁴, 339⁵,
340, 347⁴, 366⁴, 405⁴, 420⁴, 438⁴, 440⁴;
BIO 160, 161⁴, 162, 303⁴, 351⁴, 361, 363;
CHEM 129, 217, 218, 220, 223, 371⁴, 372;
DSCI 330⁴;
MATH/HNRS 141 or MATH 161⁴ (B1);
MATH/HNRS 142 or MATH 162 (B1);
MCRO 221;
PHYS 121, 122, 123, 132, 133, 141, 200

Biotechnology

ASCI 290/490⁵, 339⁵, 366⁴, 403⁴, 405⁴,
406⁴, 407, 440⁴;
BIO 161⁴, 162, 231, 232, 351⁴, 410;
BIO/CHEM 202, 475, 476;
CHEM 129, 216⁴, 217, 220, 373, 377, 474, 477;
MCRO 221, 224, 225, 320, 421

Food Animal Production

AEPS 150
AG/ASCI 360⁴ (B7);
AGB 322;
ASCI 212, 221⁴, 222⁴, 223⁴, 225⁴, 226, 260
290⁵, 311⁴, 312⁴, 339⁵, 340, 450⁴;
BIO 427;
DSCI 230, 241, 301, 330;
NR 142; NR/LA 218;
SPAN 101;
SS 120

Comparative Animal Biology Studies

ASCI 203, 290/490⁵, 321, 339⁵;
BIO 162, 227, 263, 327, 442, 444;
PSY 458;
MSCI 324, 330

Equine Science

ASCI 214, 224⁴, 228, 265, 290/490⁵, 315⁴,
324, 333⁴, 339⁵, 344, 345, 346⁴,
347⁴, 455⁴
AG 243

Poultry Management

ASCI 225⁴, 290/490⁵, 325⁴, 330⁴, 339⁵, 342, 350⁴, 415⁴, 440⁴;
AGB 310;
BUS 207, 212, 346;
ENGL 310;
FSN 275, 334, 335, 370

Rangeland Resource Management

AG/ASCI 360⁴ (B7);
ASCI 239, 290, 311⁴, 370, 372, 460, 465, 490⁵;
BIO 263, 435;
NR 306, 320, 335, 418;
NR/CRP 404; NR/LA 218;
SS 120, 130, 321

Meat Science

ASCI 290, 339⁵, 415⁴, 425, 484, 490⁵;
FSN 125, 275, 370;
MCRO 221, 421

Agribusiness

AGB 212, 301, 310, 312, 313, 322;
AGB 214 or BUS 212
ASCI 212, 260, 290⁵, 311⁴, 412, 415⁴, 484

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

5 A maximum of 6 units of CR/NC courses may be counted toward approved electives.