Animal Science - Production Mgt Option-Dairy Science Emphasis, B.S.

DEPARTMENT

Department of Animal Sciences and Agricultural Education
Randy C. Perry, Chair
Ag Mechanics Building, Room 106D, M/S AS 75
559.278.2971
www.fresnostate.edu/jcast/asae

BS in Agricultural Education - Agricultural Communications Option, B.S.
BS in Agricultural Education - Teacher Preparation Option, B.S.
MN in Animal Sciences, Minor
MS in Agricultural Science, M.S.
PREB in Pre Veterinary Prerequisites
BS in Animal Science - Production Mgt Option-Livestock Business Mgt Emphasis, B.S.
BS in Animal Science - Production Mgt Option-Dairy Science Emphasis, B.S.
BS in Animal Science - Production Mgt Option-Equine Science Emphasis, B.S.
BS in Animal Science - Production Mgt Option-Meat Technology Emphasis, B.S.
BS in Animal Science - Science Option-Preprofessional Emphasis, B.S.
BS in Animal Science - Science Option-Pre Veterinary Emphasis, B.S.
CRED in Agriculture Specialist Credential

Animal Sciences and Agricultural Education
Prepare for the future in agricultural sciences, technology, and management with a degree in animal sciences or agricultural education. The Department of Animal Sciences and Agricultural Education offers options in agricultural communications, teacher preparation, science, and production management. The science option has career specialization in the areas of preprofessional (basic) animal science and preveterinary medicine. The production management option offers career specialization in the areas of dairy science, equine science, meat technology and livestock business management. Courses integrate animal evaluation, behavior, disease, environmental management, genetics, health, marketing, muscle biology, nutrition, physiology, production, and reproduction.

The agricultural education major is designed to equip students for careers as agricultural communication specialists or secondary agriculture teachers. Specializations may be developed in agricultural business, animal sciences, plant sciences, or mechanized agriculture.

Instructional Facilities
Instruction in the animal science disciplines is enhanced through practical application at the various farm laboratory units on-campus. The Beef, Dairy, Horse, Meats, Poultry, Sheep, and Swine units are maintained by our faculty and students to support this educational purpose and provide a unique, hands-on learning experience for our students. In addition, veterinary and physiology laboratories are utilized to complement on-campus education. A 4,300-acre livestock and range management facility and another 800 acres of rangeland in the Sierra foothills are available.

REQUIREMENTS

Bachelor of Science Degree Requirements

Animal Sciences Major

Options: Production Management, Science.

Major requirements (61-66 units)

Animal Science Core (39 units)
ASCI 1, 35, 71, 101, 125, 135, 145, 155, 165, 186; BIOL 20 or 120
Select 6 units from the following: ASCI 21, 31, 41, 51*, 61*, 91
Production Management Option
Career specialization

Dairy Science Management Specialization (27 units)
ASCI 61* (from ASCI core), 146, 156, 161, 162, 163, 164
Select 9 units from: AGBS 28 or BA 18; AGBS 31 or ACCT 4A; AGBS 71 or PLANT 99; AGBS 117, 120; CHEM 8, 150;
CRSC 1, 102, 105; SW 2, 100 or 100N
Select 3 units from: ASCI 180, 181, 182, 190, 194, 196

Additional requirements (1-3 units)
Each of the animal science options requires courses in the major that also satisfy General Education requirements. These
courses amount to 9-12 units of the 51 unit General Education requirement, plus 1-3 excess units beyond the requirements in
BREADTH Area B1 for the Production Management Option and Area B1 and B2 for the Science Option.

- Production Management Option (1 unit above G.E. requirement of 51 units) BREADTH: CHEM 3A (Area B1); BIOL 10
  or 12 (Area B2); AGBS 1 (Area D3); ASCI 67 recommended (Area E1)
- Science Option (3 units above G.E. requirement of 51 units) BREADTH: CHEM 1A (Area B1); BIOL 1A (Area B2);
  ASCI 67 recommended (Area E1)

General Education requirements (51 units)
(including 12 upper-division units, to be taken no sooner than the term in which 60 units of coursework are completed)

Electives and remaining degree requirements (2-4 units)

Total minimum requirements (120 units)**

* Within the Animal Science Core, Equine Specialization majors are required to take ASCI 51 and Dairy Specialization majors
  are required to take ASCI 61.

** The total number of units will exceed 120 if a student chooses to meet all of the veterinary school entrance requirements, as
additional courses may be required (see advising note 6.) This total presumes that the student has fulfilled the Upper-Division
Writing Skill requirement by passing the Upper-Division Writing Skill examination for 0 units.

Advising Notes
1. Mandatory advising is required of all students in the degree program. See the administrative support coordinator for the
   name of your assigned adviser.
2. New students should request an option advising check sheet from the department office.
3. All students should make an appointment with their assigned faculty adviser prior to registration each semester.
4. CR/NC grading is not permitted for courses included in the major unless the courses have been designated CR/NC
   grading only.
5. The upper-division writing skills requirement can be met by passing the university examination (UDWE) or by taking an
   approved upper-division writing skills course, to be taken no sooner than the term in which 60 units are completed. One
   unit of credit in ENGL 100W may be earned for passing the exam if requested by the student; three to four units of credit
   will be earned by obtaining a letter grade of C or higher in an approved course.
6. Total number of units will exceed 120 if a student chooses to meet all of the Veterinary Medicine entrance
   requirements. Preveterinary and veterinary preparation students should consult their faculty adviser regarding entrance
   requirements and admissions procedures to veterinary school. Additional courses such as PHYS 2B, calculus, and
   statistics may be required.

FACULTY
The faculty represent diverse specializations in the disciplines of animal science and teacher training. With doctoral degrees
from many of the nation's most prestigious agricultural universities, the faculty have combined philosophies of undergraduate
education, research, curriculum development, industry relations, and career placement into a unique program. Their experience
allows for the combination of the practical and theoretical aspects of the animal sciences to provide an education second to
none. Students select an adviser who assists in both academic and career planning on an individual basis. The faculty place a
high priority on strong teacher-student relationships.
For faculty phone numbers and e-mail, see the campus directory.
For more on the faculty, see the faculty pages.
The faculty pages are updated by the department or program.

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<thead>
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