Agricultural Education - Teacher Preparation Option, 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

Agricultural Education Major
Options: Agricultural Communications, Teacher Preparation

Major requirements (54-60 units)
Select Teacher Preparation or Agricultural Communications

Teacher Preparation Core (39 units)

Agricultural Economics (6 units)
AGBS 31, 120
Animal Science (9 units)
ASCI 1, 11; select one of the following: ASCI 21, 31, 41, 61, 91

Natural Resources and Forestry (3 units)
CRSC 105

Ornamental Horticulture (3 units)
OH 1

Plant Science (9 units)
CRSC 1; SW 100 or SW 100N; HORT 110

Mechanized Agriculture (9 units)
MEAG 1, 50, 114

Teacher Preparation Career Specialty (15 units)
Select one: Agricultural Business, Animal Science, Mechanized Agriculture, or Plant Science (see Teacher Preparation Option check sheet available in the department office.)

Additional requirements (1-10 units)
Agricultural education majors must take the following courses, which also satisfy General Education requirements. These courses amount to 12 units of the 51 unit G.E. requirement, plus 1 excess unit beyond the 3 unit requirement in BREADTH Area B1.

BREADTH
Area B1: CHEM 3A
Area B2: BIOL 10, 11, or 12
Area D3: AGBS 1
Area E1: ASCI 67

Teacher Preparation Option (9 units)
Teacher Education requirements: AGED 50 or EHD 50; AGED 135, 150

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 (5-8 units)
Upper-division writing requirement by exam or writing course (see advising note 5 following animal science major)
Courses supplementary to the major are strongly recommended.

Total minimum requirements (120 units)

Advising Notes
• See advising notes 1-6 following animal sciences major.
• Teacher preparation majors seeking the Agriculture Specialist Credential must also take AGED 187 and AGED 189.
• Contact the Kremen School of Education and Human Development for admission and program requirements for the Single Subject Credential.
• Agriculture courses titled Tours or Lectures may be used to satisfy upper-division unit requirements but may not be counted to satisfy agricultural education core or specialized field requirements in the major.
• Candidates for the Agriculture Specialist Credential must possess 3,000 hours or two years of occupational experience in agriculture. (For details, consult the agricultural education credentialing coordinator.)
• Agricultural communications students must pass the Department Qualification Examination (DQE). The DQE is a screening examination administered by the Media, Communications, and Journalism Department. It must be passed before permission is given for enrollment in MCJ 10 and other writing and editing courses. Contact the Mass Communications and Journalism Department for DQE information, requirements, and testing dates.

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.

<table>
<thead>
<tr>
<th>Name</th>
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