

# Animal Science - Production Mgt Option-Livestock and Poultry Mgt 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](http://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 and Poultry 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

Courses Offered

### 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.

#### 1. Major requirements (66 units) and Additional Requirements (13 units)

##### Animal Science Core (39 units)

ASCI 1, 35, 71, 101, 125, 135, 145, 155, 165, 186; BIOL 20

Select 6 units from the following: ASCI 12, 21, 31, 41, 51\*, 61\*, 91\*

### **Production Management Option**

Career specialization (choose one)

#### **Livestock and Poultry Management Specialization (27 units)**

ASCI 11, 81, 156

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; PLANT 20, 121, 122; PLANT 71, 171, or 172

Select 6 units from: ASCI 121, 131, 151, 161, 171, 172, 175, 191

Select 5 units from: ASCI 102, 180, 181, 182, 183, 190, 194I

#### **Additional requirements (13 units)**

Each of the animal science options requires courses in the major that also satisfy General Education requirements. These courses amount to 13 units of the 49 unit General Education requirement.

- Production Management Option  
BREADTH: CHEM 3A (Area B1); BIOL 10 or 12 (Area B2); AGBS 1 or ECON 40 (Area D3); ASCI 67 recommended (Area E1)

#### **2. General Education requirements (49 units)**

#### **3. Other requirements (6 units)**

Upper-division writing and Multicultural and International (MI)

#### **4. Sufficient elective units to meet required total units (varies)**

#### **5. Total minimum requirements (120 units)\*\***

\* Within the Animal Science Core, Equine Specialization majors are required to take ASCI 51, Dairy Specialization majors are required to take ASCI 61, and Meat Technology Specialization majors are required to take ASCI 91.

\*\* G.E. and MI courses can be double counted with major requirements. The writing requirement may be met by taking the upper-division writing exam. 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.) See advisor for details.

### **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 advisor.
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 advisor 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. Pre-veterinary and veterinary preparation students should consult their faculty advisor 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.