

# Animal Sciences and Agricultural Education

**Teacher Preparation.** Prepares students for positions as vocational agriculture teachers. (See *Agricultural Education Major*.)

## Faculty

Arthur A. Parham, *Chair*

Anne V. Rodiek, *Graduate Coordinator*  
Rosco C. Vaughn, *Agricultural Education Credentialing Coordinator*

John F. Cordeiro

John A. Henson

Randy C. Perry

Jon D. Robison

Steven J. Rocca

Neal Spiro

Michael W. Thomas

Scott A. Williamson

The faculty members represent diverse specializations in the disciplines of animal science and teacher training. With doctoral degrees from many of the nation's outstanding agricultural universities, the faculty have combined philosophies of undergraduate education, research, curriculum development, industry relations, and career placement into a unique program. Their experience combines the practical and theoretical aspects of the animal sciences to provide an education second to none. Students are assigned an adviser who assists in both academic and career planning on an individual basis. The faculty place a high priority on strong adviser-advisee relationships.

## Bachelor of Science Degree Requirements

### Animal Sciences Major

Choose one option and one specialization under that option.

Options: Production Management, Science.

#### Units

### Major requirements ..... 59-65

#### Animal Science Core ..... (29)

ASCI 1, 35, 65, 101, 135, 145 or BIOL 162 (see advising note 7); ASCI 155, 186

Select 6 units from the following: ASCI 21, 31, 41, 51\*, 61\*, 71\*\*, 91

#### Production Management Option

##### Career specialization (choose one)

##### *Livestock Business Management*

##### Specialization ..... (32)

ASCI 11, 71\*\*, 125, 156; AGEC 76 or CSCI 101 or IS 52 and 52L; BIOL 20 or 120

Select 6 units from: AGEC 28 or BA 18; AGEC 31 or ACCT 4A; AGEC 117, 120

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

Select 3 units from: ASCI 180, 181, 190, 194, 196

#### *Dairy Science*

##### Management ..... (35)

ASCI 61\* (from ASCI core), 125, 146, 156, 161, 162, 163, 165; AGEC 76 or CSCI 101 or IS 52 and 52L; BIOL 20 or 120

Select 6 units from: AGEC 28 or BA 18; AGEC 31 or ACCT 4A; AGEC 117, 120

Select 3 units from: ASCI 180, 181, 190, 194, 196

#### *Equine Science*

##### Specialization ..... (33)

ASCI 51\* (from ASCI core), 125, 151, 152, 153, 156, 165; AGEC 76 or CSCI 101 or IS 52 and 52L; BIOL 20 or 120

Select 3 units from: ASCI 180, 181, 190, 194, 196

Select 3 units from: AGEC 28 or BA 18; AGEC 31 or ACCT 4A; AGEC 117, 120

Select 4 units from: ASCI 52, 53, 54, 55, 185T, 187

#### *Meat Technology*

##### Specialization ..... (32)

ASCI 11, 71\*\*, 162, 171, 172; AGEC 76 or CSCI 101 or IS 52 and 52L; FSC 125; CHEM 8; BIOL 20 or 120

Select 3 units from: ASCI 180, 181, 190, 194, 196

#### *Science Option*

##### Career specialization (choose one)

##### *Preprofessional*

##### Specialization ..... (30)

ASCI 125, 156, 165; BIOL 1B; CHEM 128A, 129A, 150; BIOL 20 or 120

Select 3 units from: ASCI 121, 131, 151, 161, 171, 172

Select 3 units from: ASCI 180, 190, 194

#### *Preveterinary Medicine*

##### Specialization ..... (36)

ASCI 68, 165; BIOL 1B, 102; CHEM 1B or 128A/

B, 129A, 150; BIOL 20 or 120; PHYS 2A

#### **Additional requirements ..... 1-3**

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); AGEC 1 (Area D3); ASCI 67 (Area E1)

*Science Option* (3 units above G.E. requirement of 51 units) BREADTH: CHEM 1A (Area B1); BIOL 1A (Area B2); ASCI 67 (Area E1)

#### **General Education requirements ..... 51**

(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 ..... 1-7**

#### **Total minimum requirements ..... 120**

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

\*\* Livestock Business Management Specialization and Meat Technology Specialization majors are required to take ASCI 71 in the career specialization; therefore, two additional courses are required from ASCI 21, 31, 41, 51, 61, or 91 in the Animal Science Core.

\*\*\* 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 7.) 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.