

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. One semester prior to graduation make an appointment with your faculty adviser to prepare an official Certification of Major Requirements form.
7. Preveterinary medicine students should consult their faculty adviser regarding entrance requirements and admissions procedures to veterinary school. Total number of units will exceed 120 if a student chooses to meet all of the Veterinary Medicine entrance requirements. Additional courses such as PHYS 2B may be required. BIOL 162 is recommended for Preveterinary Medicine Specialization students.

Bachelor of Science

Degree Requirements

Agricultural Education Major

Options: Agricultural Communications, Teacher Preparation

Units

Major requirements 54-60

Select *Teacher Preparation* or *Agricultural Communications*

Teacher Preparation Core (39)

Agricultural Economics (6)
AGEC 31, 120

Animal Science (9)
ASCI 1, 11; select one of the following: ASCI 21, 31, 41, 61, 91

Natural Resources and Forestry (3)
CRSC 105

Ornamental Horticulture (3)
OH 1

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

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

Teacher Preparation

Career Specialty (15)

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

Agricultural Communications Core (45)

Agricultural Economics (3)
Select 3 units from: AGEC 28, 31, 117, 120, 150

Agricultural Education (6)
AGED 66, 166

Animal Science (9)
ASCI 1

Select 6 units from: ASCI 11, 21, 31, 35, 41, 51, 61, 81, 91

Food Science and Nutrition (3)
Select 3 units from: ASCI 71, ENOL 15

Mass Communication and Journalism (9)
MCJ 1, 10, 172 or 173

Mechanized Agriculture (3)
Select 3 units from: MEAG 1S, 20, 50

Plant Science (9)
Select 9 units from: CRSC 1; OH 1; HORT 1, 110; VIT 1

Soil and Water (3)
Select 3 units from: SW 1, 2, 100, 100N

Agricultural Communications Career Specialty (15)

Select one: Advertising, Broadcast Journalism, Digital Media, Electronic Media Production, Photo Journalism, Print Journalism, Public Relations (see *Agricultural Communications Option check sheet available in the department office.*)

Additional requirements 1-10

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: AGEC 1
Area E1: ASCI 67

Teacher Preparation Option (9)

Teacher Education requirements: AGED 50 or EHD 50; AGED 135, 150

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 5-8

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

Advising Notes

1. See *Advising Notes 1-6* following animal sciences major.

2. Teacher preparation majors seeking the Agriculture Specialist Credential must also take AGED 187 and AGED 189.

3. Contact the Kremen School of Education and Human Development for admission and program requirements for the Single Subject Credential.

4. 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.

5. 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.)

6. Agricultural communications students must pass the Department Qualification Examination (DQE). The DQE is a screening examination administered by the Mass Communication 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.

Approved Subject Matter

Preparation Program

Completion of the Bachelor of Science degree in Agricultural Education meets the requirements of the Approved Subject Matter Preparation Program. The Single Subject Credential authorizes the holder to teach *general agriculture* in grades 7-12. Students with a B.S. in another agricultural major may obtain a Single Subject Credential by completing the remaining coursework required for the B.S. in Agricultural Education.

Credential candidates must pass examinations in reading, writing, and mathematics in addition to other numerous state of California and California State University, Fresno requirements. Consult the agricultural education major adviser and the Kremen School of Education and Human Development for details.