

# Agricultural Economics

management training programs with agricultural business firms and support institutions. The department awards internships on a competitive basis and grants academic credit in the major for this supervised experience (AGEC 194).

- **University Agricultural Laboratory Project.** Students gain farming experience through participation in the faculty supervised, student project program and concurrent enrollment in an Enterprise Management course (PLANT, ASCI, ENOL 196). Such a course is highly recommended and can be used in the major.

## Faculty

Herbert O. Mason, *Interim Chair*  
Xiaohui Sarah Deng  
Dwight D. Minami  
Dennis L. Nef  
John R. Shields  
R. Lynn Williams

Faculty members are broadly trained with advanced degrees from top-ranked universities across the nation, and are highly experienced as teachers, consultants, and researchers. They bring practical insight to the classroom by being professionally active in service to California farms and agribusinesses, industry organizations, government agencies, and professional associations. Forming a strong advisee/adviser relationship with any one of the faculty can help you match your career goals with appropriate coursework.

## Bachelor of Science Degree Requirements

*Agricultural Business Major*      *Units*

**Major requirements ..... 60**

**Agricultural Foundation ..... (9)**

(Select three courses from the below areas. No more than 3 units are allowed in the Ag Business area. No more than 6 units may be taken in any of the remaining areas. Courses listed are suggested introductory level courses; however, other area related courses are acceptable.)

Ag Business: AGEC 5  
Animal Sci: ASCI 1  
Food Sci/Nutr: FSC 1,  
NUTR 54

Mech Ag: MEAG 3, MEAG 20  
Plant Sci: CRSC 1, OH 1, PLTH 1  
Soil/Water: SW 1, SW 2  
Vit/Enol: HORT 1, ENOL 15

## Business Management

**Base ..... (18)**  
AGEC 2 or ECON 50  
AGEC 28 or BA 18  
AGEC 31 or ACCT 4A  
AGEC 32 or ACCT 4B  
AGEC 71 or DS 73  
or MATH 11  
AGEC 76 or IS 52, 52L

## Agricultural Economics

**Core ..... (21)**  
AGEC 100, 110, 120, 130,  
150, 160, 170

## Career Specialty ..... (12)

A required concentration of approved courses (including a minimum of 9 upper-division units in agricultural economics) is selected to match the student's career goal in consultation with the student's assigned faculty adviser. (See major program of study advising check sheet for course listings by concentrations in various disciplines.)

## Additional requirements ..... 1-2

Agricultural Business majors must take the following courses, which also satisfy General Education requirements amounting to 12 units plus 1-2 excess units beyond the normal 3 unit General Education requirements in Foundation (Area B4: MATH 75) and Breadth (Area B1: CHEM 3A).

## FOUNDATION

Area B4: DS 71 or MATH 75

## BREADTH

Area B1: CHEM 3A

Area B2: BIOL 10, BOT 10,  
or ZOOL 10

Area D3: AGEC 1

## General Education requirements ..... 51

(Includes 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 ..... 7-8

Upper-division writing skills by exam or writing course (PLANT

110W, BA 105W, ECON 102W recommended).

Courses supplementary to the major are strongly recommended.

**Total units ..... 120**

## Advising Notes

1. New students should request the *Advising Information* brochure that includes a program-of-study check sheet and explanatory notes about requirements for the major.
2. All students are assigned a faculty adviser. Consult the department bulletin board for the current listing. Make an appointment each semester to review your academic record and to schedule remaining courses in order to graduate in a timely manner.
3. Prospective transfer students should consult with a community college academic adviser about their program of study to determine which California State University, Fresno AGEC courses are articulated as equivalent for lower-division credit. Transfer students may also consult *ASSIST*, the statewide articulations database, at [www.assist.org](http://www.assist.org).
4. Credits earned for articulated community college courses do not count toward upper-division units in the major.
5. Students intending to pursue graduate study in agricultural economics or agribusiness should include approved courses in intermediate macroeconomic theory, differential and integral calculus, inferential statistics, and linear regression in their bachelor's degree program.
6. A double major of agricultural business with animal sciences, food and nutritional sciences, or plant science must have 36 mutually exclusive units (including a minimum of 18 upper division). A double major requires the approval of the department chairs administering these programs of study. General Education and elective units may be applied (i.e., double counted) toward a second major or a minor. (See *Double Major* or *Minor* in this catalog and consult with the appropriate department adviser.)
7. Unit limits for courses included in the major exist for AGEC 80/180 (4 units combined maximum allowed) and AGEC 194 (3 units maximum allowed).