

Agricultural Economics

academic credit in the major for this supervised experience (AG EC 194).

- **University Farm Laboratory Project.** Students gain farming experience through participation in the faculty supervised, student project program and concurrent enrollment in an Enterprise Management course (PLANT, A SCI, ENOL 196). Such a course is highly recommended and can be used in the major.
- **Clinic Program Team Project.** Students earn academic credit (S C 197) for participation in a faculty advised team charged with solving a problem or exploiting an opportunity faced by a real world client that has partnered with the College of Agricultural Sciences and Technology.
- **National Agri-Marketing Association (NAMA)** student chapter offers professional contacts with industry leaders, an annual scholarship, and involvement in the annual national marketing competition for academic credit (AG EC 168).

Faculty

John R. Shields, *Interim Chair*

Herbert O. Mason,

Director Center for Agricultural Business

James H. Cothorn

John W. Hagen

Dwight D. Minami

Dennis L. Nef

Carl L. Pherson

David K. Smith

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*

General Education 51

(Includes 12 upper-division units, to be taken no sooner than the term in which 60 units of coursework are completed.)

FOUNDATION

Area B4: DS 71 or MATH 75 (required)

BREADTH

Area B1: CHEM 3A (required)

Area B2: BIOL 10, BOT 10, or ZOOL 10 (required)

Area D3: AG EC 1 (required)

INTEGRATION

Area IB: PLANT 105 (recommended)

Major 60

(including 20 upper-division units)

Agricultural Science

Foundation (9)

(Select three courses from the below areas. No more than 6 units may be taken in one area. Courses listed are recommended.)

A SCI: A SCI 1

FSC/NUTR: FSC 50,
NUTR 54

ME AG: ME AG 1 or 20

PLANT: CR SC 1, PLANT
1, OH 1, or PLT H 1

SW: SW 1 or SW 2

VIT/ENOL: VTF 1, ENOL 15

Business Management

Base (18)

AG EC 2

AG EC 28 or B A 18

AG EC 31 or ACCT 4A

AG EC 32 or ACCT 4B

AG EC 71 or DS 73

AG EC 76 or IS 50

Agricultural Economics

Core (21)

AG EC 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 1-3

Upper-division writing skills by exam or writing course (PLANT 110W, IS 105W, ECON 102W recommended)

Agricultural Business majors must take the following courses, which

also satisfy General Education requirements.

FOUNDATION

Area B4: DS 71 or MATH 75

BREADTH

Area B1: CHEM 3A

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

Area D3: AG EC 1

Electives 13-15

Courses supplementary to the major are strongly recommended.

Total requirements 128

(including 40 upper-division units)

Advising Notes

1. New students should request the Advising Information brochure that includes a program of study check sheet and advising notes for the major.
2. All students should acquire and read the department's Agricultural Advising Handbook before they make an appointment with their assigned academic adviser prior to registration each semester.
3. Community college transfer students should consult their academic adviser to determine which California State University, Fresno AG EC courses are articulated for lower-division credit as equivalent to their community college courses.
4. Credits earned for articulated community college courses do not count toward the minimum requirements of 20 upper-division units in the major and 40 upper-division units for the degree.
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 dual 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 dual 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 *Dual Major* or *Minor* in this catalog