

# School of AGRICULTURE AND HOME ECONOMICS

Charles M. Smallwood, *Dean*

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Edward M. Norum, Jr., Director—*Center for Irrigation Technology*  
Sayed A. Badr, Director—*Graduate Studies*  
Carl L. Pherson, Chairman—*Agricultural Economics and Education*  
John A. Jacobs, (Acting) Chairman—*Animal Science*  
Dean R. Frazeur, (Acting) Chairman—*Enology, Food Science and Nutrition*  
Harry P. Karle, Chairman—*Plant Science and Mechanized Agriculture*  
Eugene W. Krebs, Chairman—*Family Studies and Home Economics*  
Gary E. Grannis, Chairman—*Industrial Arts and Technology*

## Degrees Offered:

B.A. in Home Economics or Industrial Arts  
B.S. in Agricultural Business, Agricultural Education,  
Agricultural Sciences or Industrial Technology  
M.A. in Industrial Arts  
M.S. in Agricultural Business, Agriculture or Home Economics  
Minors: Agriculture, Home Economics or Industrial Arts.

## Programs of Study

**Agriculture.** Agricultural Business, Agricultural Chemistry, Agricultural Communications, Agricultural Economics, Agricultural Education, Agricultural Science, Agronomy, Animal Science (beef, horse, sheep, swine husbandry), Dairy Industry (processing), Dairy Science, Enology, Food and Nutrition (dietetics/food administration), Food Science, Horticulture, International Agriculture, Mechanized Agriculture, Ornamental Horticulture, Plant Protection, Plant Science, Preveterinary, Range Management, Soil and Water Science (soils/irrigation), Vegetable Crops, Viticulture.

**Home Economics.** General Home Economics, Child Development, Child and Family Studies, Consumer Science, Fashion Merchandizing (textiles), Interior Design and Housing, Foods and Nutrition, Home Economics Education.

**Industrial Arts.** Industrial Arts, Industrial Arts Education, Industrial Technology: Manufacturing Industries (design/drafting, digital systems, electricity/electronics, graphic communication, metals, transportation, wood products), Construction (construction management, architecture).

**Teaching Credentials.** The School offers credential programs to prepare graduates for teaching *agriculture, home economics, or industrial arts* in public secondary school systems. Students should consult the appropriate departmental credential adviser for program requirements. For specific credential requirements see *School of Education and Human Development*.

**Continuing Education.** Short courses, seminars, workshops, and field day demonstrations are offered to meet the in-service education needs of the agricultural community. Similar programs provide home economists and industrial technologists opportunities for professional development.

**Internships.** Opportunities are offered for students to serve as interns in an industry setting appropriate to their major field of study. Future employment in industry is enhanced through

the experience attained by participation in the internship program.

**Student Projects.** Supervised student project programs provide both theoretical and practical experience in animal and plant production. This "hands-on" approach to the practical application of theory learned in the classroom enhances opportunities for future employment.

**International Agriculture.** This interdisciplinary program offers many internationally oriented food production and agricultural development courses which prepare students for overseas study through exchange programs and for work abroad with the Peace Corps, humanitarian and religious voluntary organizations, and multinational agribusiness firms. Students from around the world are enrolled in undergraduate and graduate degree programs staffed by faculty with extensive professional experience in Africa, Asia, Latin America, and the Middle East. The School conducts training programs for students sponsored by foreign governments, the U.S. Agency for International Development, and similar organizations with which the university has cooperative agreements.

## Facilities

**University Farm Laboratory.** Eleven hundred and ninety acres adjacent to the academic campus provide a unique opportunity for students to directly apply the knowledge and skills acquired in the classroom. Vineyard, orchard, vegetable, cotton, and field crop enterprise projects supervised by faculty in the Plant Science and Mechanized Agriculture Department further develop production and management skills. Similar enterprise projects at the beef, sheep, and swine units are supervised by faculty in the Animal Science Department. The modern (1983) dairy and quarter horse units also support the instructional programs in Animal Science. All facilities are located within walking distance of the classroom. Over 5,000 acres of Sierra foothill rangeland are utilized in the comprehensive livestock and range management programs.

**Center for Irrigation Technology.** The School is internationally recognized for research, development, and demonstration of efficient water management practices. The Center provides impetus to state-of-the-art irrigation research and development and offers work experience opportunities for enrolled students. The technical library, equipment testing facilities, field demonstration areas, and computer analysis and control programs enhance the irrigation coursework.