

MINOR

A minor in agriculture is available to degree students in other departments and may be selected in consultation with departmental advisers. The minor consists of 20 units of which 12 are upper division.

CREDENTIAL PROGRAM

For information on the current credential program, consult departmental advisers and the School of Education; see the section on *Public School Credentials*.

PREVETERINARY PROGRAM

Students planning to attend a school of veterinary medicine may satisfy the first two years of the program at Fresno State College. The School of Agricultural Sciences is equipped to provide valuable experience with large animals through the student project program. Students desiring further information regarding the preveterinary curriculum should consult the Chairman of the Animal Science Department.

MASTER OF SCIENCE DEGREE

The master of science degree in agriculture is designed to extend competence for agricultural research, agricultural field work, and the teaching of agriculture, and to provide the first graduate degree for students anticipating advanced graduate study in animal or plant sciences. For detailed information about the graduate program at Fresno State College, see the *Graduate Bulletin*, available in the Office of the Dean, School of Graduate Studies.

GENERAL EDUCATION REQUIREMENTS

The following courses will satisfy general education requirements. *Area I*: A Sci 10, Plant 30. *Area II*: Agri 161, Ag Ec 31. *Area III*: Plant 65. *Area V*: A Sci 70, D Ind 23, Enol 15, F Sci 1, Plant 10, 15, 16, 21, 25, 40, 55.

GRADUATE COURSES (Agri)

(See *Course Numbering System—Definitions and Eligibility*)

200. Experimental Methods (3)

Prerequisite: Math 40 or equivalent; permission of instructor. Principles of research emphasizing statistical procedures, collection of data, summarization and publication of results. Design, conduct, and analysis of experiments in agriculture.

220. Readings in Agriculture (2-3)

Prerequisite: permission of instructor. Individually directed readings in a field of special concern to the student's graduate program; appropriate reports and evaluation required.

240T. Topics in Animal Science (3; max total 12)

Prerequisite: upper division animal science appropriate to study topic; permission of instructor. Investigation of topic in animal science: anatomy, physiology, pathology, nutrition, genetics, or economics.

241. Endocrine and Reproductive Physiology (3)

Prerequisite: Chem 8. Physiology which deals with neural and hormonal integration and control of the animal body, including scientific aspects of the processes of reproduction and application of current knowledge in improving reproductive efficiency.

242. Environmental Physiology of Domestic Animals (3)

Prerequisite: A Sci 100, 110; Chem 2A; permission of instructor. A study of environmental factors affecting domestic animals under field and controlled conditions.