

AGRICULTURE DIVISION

BACHELOR OF SCIENCE DEGREE IN AGRICULTURE

The bachelor of science degree in agriculture is granted upon completion of a four-year curriculum consisting of 128 semester units selected from one of the major programs. The general requirements for the bachelor of science degree (pages 68 and 74) must be completed. The required agricultural courses for major programs, along with other requirements, are listed in departments as follows: Agricultural Mechanics Department—agricultural mechanics program (page 92); Animal Science Department—animal husbandry, dairy husbandry, dairy industry, poultry husbandry (page 95); Plant Science Department—agricultural inspection, crop production, entomology, horticulture, ornamental horticulture, viticulture (page 102). Requirements for the general agriculture major and the credential major and minor are listed below.

BACHELOR OF SCIENCE DEGREE IN AGRICULTURAL ENGINEERING

The bachelor of science degree in agricultural engineering requires 132 units (see Engineering Department, page 262) and the completion of the general requirements for the bachelor of science degree (page 74). The required agricultural courses follow a selected pattern approved by the head of the Agriculture Division.

BACHELOR OF SCIENCE DEGREE IN AGRIBUSINESS

The bachelor of science degree with a major in agribusiness is granted upon completion of a four-year curriculum consisting of 128 semester units selected from one of the agribusiness major options in the Agricultural Mechanics, Animal Science, or Plant Science Departments in the Agriculture Division, or the Business Administration Department. The general education and general requirements for the bachelor of science degree (page 74) must be completed.

The agribusiness curriculum prepares students in agriculture and business for positions in operations involved in the manufacture of supplies needed on the farm, production operations on the farm, and the storage, distribution, and merchandizing of agricultural commodities.

TECHNICAL AGRICULTURE

Any student who has graduated from high school may be admitted to the technical agriculture program upon special application and approval of the head of the Agriculture Division. These programs stress technical and practical training appropriate to the San Joaquin Valley and include maximum laboratory use of the college farm. Students may take production programs in fattening of livestock, growing of crops, and management of breeding herds, flocks, vineyards, and orchards and are employed so far as possible to assist with the operation of the college farm.

Students qualify for the three-year Technical Agriculture Certificate upon completion of the required general education and related courses and one of the technical majors (pages 92, 96, 103) with additional selected production courses to make a total of 84 units.

Technical agriculture students enroll in regular agriculture courses with special arrangements to meet their needs. Students admitted to the technical agriculture program who wish to transfer to the degree program may petition the Admission Committee for such transfer after completing two semesters at Fresno State College with a "C" average or better.

MINOR

A minor in agriculture is available to degree students in other departments and may be selected from one of the 12 specialized agriculture fields. The minor consists of 20 units of which six are upper division. For requirements for credential minor, see page 89.

GENERAL SECONDARY CREDENTIAL

The general secondary credential authorizes the holder to teach in the secondary schools and in grades seven and eight in elementary schools, with the exception of classes organized under the provisions of the Federal and State Vocational Educational Acts where special credentials in specific vocational subjects are required.

For general and professional requirements, see page 152. Candidates for the general secondary credential with a teaching major in general agriculture must submit an application for admission to the credential program (page 148); submit verification of three years of farm experience or equivalent; and complete a bachelor's degree in agriculture including 44 semester units in agriculture subjects included in the following credential major, of which 12 units must be upper division. In meeting the major requirements for the bachelor of science degree, credential candidates must complete a minimum of 36 units, including 15 units in animal science (AH, DH, and/or PH), 15 units in plant science (CP, H, OH and/or V), and 6 units in agricultural mechanics.

Credential Major in General Agriculture

	<i>Units</i>
Agricultural Economics: Ag 31, 112	6
Agricultural Mechanics: AgM 15a, 25; electives (4 units)	8
Animal Science: AH 1, 71, 172; PH 1; DH 11a or 11b	15
Plant Science: CP 12; OH 3, 22, 33, 123	15
	44

Additional Requirements: Ag 1, Biol. 1b, Bot. 1, Chem. 2a-b, and Econ. 1a. For further information see the department credential adviser.

Credential Minor in General Agriculture

	<i>Units</i>
AgM 15a, 25	4
AH 1, 71	6
CP 12	3
DH 11a	3
OH 3, 22, 33	9
PH 1	3
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GENERAL AGRICULTURE

The General Agriculture major prepares students for diversified farming where a knowledge of farm crops, livestock, and farm machinery is necessary. The curriculum is not intended to replace majors in the Division of Agriculture in which students specialize in a single field.

The requirements are flexible and especially well adapted to meet the needs of students interested in teaching vocational agriculture. Many graduates have found positions with governmental, county and state agencies, or in business and services related to agriculture.

General Education Requirements

All bachelor of science degree students must satisfy the general education requirement by computing 45 semester units as indicated on page 70.

Major Requirements

General Agriculture majors must complete a minimum of 36 units (12 units upper division) including 15 units in Animal Science (AH, DH and/or PH), 15 units in Plant Science (CP, H, OH and/or V), and six units in Agricultural Mechanics. The selection of courses in each of the respective departments is worked out with the student's major adviser.