

**Additional Requirements—Technical Certificate**

Technical students must complete, in addition to the major requirements, the following courses: Ag 1, 31, 40, 151, AgM electives (6 units), Bus. Ad. 27, Animal Science and/or Plant Science electives (10 units), Soc. Sci. 3a-b, Biol. 1a or 1b, Health Ed. 90, Phys. Ed. (4 units), Engl. 1a, Speech 20 or 24, electives (9-12 units). Agricultural Inspection majors are required to complete CP 12, H 12, V 11 and 4 units of AgM electives. A total of 84 semester units required for the technical certificate.

**Courses**

NOTE: Active immunization against tetanus (available through the Student Health Service) is a prerequisite for registration in any laboratory course in agriculture and for any student employment on the College Farm.

**CROP PRODUCTION****CP 11. Introduction to Agronomy (3) F**

Biehler

Principles of crop production, survey of important field crops, production methods and major uses in California and the San Joaquin Valley. (2 lecture, 3 lab hours; 2 Saturday field trips)

**CP 12. Introduction to Vegetable Crops (3) S**

Van Elswyk

Culture of vegetable crops for market and home; importance, varieties, cultivation, harvesting, storing, and marketing; vegetable diseases and insect pests; vegetables grown commercially in the San Joaquin Valley. (2 lecture, 3 lab hours; 2 Saturday field trips)

**CP 51. Forage Crops (3) S**

Biehler

Prerequisite: CP 11 or permission of instructor. Irrigated forage crops of California as related to livestock enterprises; cultural methods, harvesting, marketing, quality, insect and disease control. (2 lecture, 3 lab hours)

**CP 52. Fiber and Oil Crops (3) S**

Van Elswyk

Prerequisite: CP 11. Fiber and oil crops, cotton, flax, ramie, castor bean, safflower, common to the San Joaquin Valley; cotton production; varieties and improvement, cultural methods, harvesting and marketing. (2 lecture, 3 lab hours)

**CP 53. Cereal Crops (3) F**

Biehler

Prerequisite: CP 11. Cereal crops common to the San Joaquin Valley; varieties and cultural practices, harvesting and marketing. (2 lecture, 3 lab hours)

**CP 56. Vegetable Field Crops (3) F**

Van Elswyk

Prerequisite: CP 12. Methods of production, harvesting, grading, storing, and processing vegetable crops common to the San Joaquin Valley; potatoes, tomatoes, sweet potatoes, carrots, melons, and lettuce. (2 lecture, 3 lab hours; 3-day field trip)

**CP 60. Weeds (3) S**

Harrison

Prerequisite: CP 11. Weeds common to the San Joaquin Valley and their prevention and control; weed identification and recommended methods of control or prevention. (2 lecture, 3 lab hours; 1 week-end field trip)

**CP 103. Seed Production (3) F**

Biehler

Prerequisite: CP 11 or permission of instructor. Principles and practices in the culture of vegetable and field crops for seed production; harvesting, storage, yields, quality, seed laws, certification, seed cleaning, and marketing. (2 lecture, 3 lab hours)

**CP 105. Cotton Technology (3) F**

Van Elswyk

Prerequisite: CP 52 or equivalent. Cotton harvesting, processing, marketing, utilization, and testing; cotton fiber technology. (2 lecture, 3 lab hours)