

SKILL CERTIFICATE IN PLANT SCIENCE

Students completing this certificate will acquire knowledge of and skills in the uses and control of soils, irrigation, weed control, plant diseases and pests, fertilizers and cultivation of crops.

Program Outcomes

- Explain the relationships between plant, soil, and water, and their impact on plant health, nutrition and the environment.
- Describe current cultural practices which improve quality and maximize yields in leading crops in the San Joaquin Valley.
- Describe an integrated pest management program and explain how to implement one for a crop in the San Joaquin Valley.

Career Opportunities

Upon successful completion of this certificate, students will be prepared for employment in the following jobs: irrigation and crop production as well as related industries, such as equipment sales, fertilizer sales and application, plant protection, and crop consulting. Courses in this certificate may contribute to the prerequisite course requirements to apply to qualify for the Pest Control Advisers Examination through the California Department of Pesticide Regulations.

Program Requirements

Code	Title	Units
REQUIRED CERTIFICATE COURSES		
AG 003	Economic Entomology	3
AG 004	Soil Science	3
PLSI 001	Intro to Plant Science	3
PLSI 108	Water Management	3
PLSI 110	Integrated Pest Management	3
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TOTAL		15

The Certificate of Achievement requirements include completion of the certificate courses with a "C" or better grade in each course. Required and support courses may be substituted with the approval of the Agriculture Division Chair.