

PLANT SCIENCE DEPARTMENT

Principal Vocational Instructors: Braun, Petrucci, Strong

Senior Vocational Instructor: Biehler (Chairman)

Intermediate Vocational Instructors: R. D. Harrison, Heitz, LeValley, Schmitz

Junior Vocational Instructor: Van Elswyk

The Plant Science Department offers majors in agricultural inspection, crop production, enology, horticulture, ornamental horticulture, and viticulture.

The Plant Science Department has excellent facilities for classroom and laboratory work. The Agriculture Classroom Building is well equipped and provides laboratory facilities for soils and irrigation, cotton classing, grains and grasses, horticulture, viticulture, plant disease, and ornamental horticulture. The College Farm includes a 140-acre vineyard, 80 acres of orchard, 15 acres for the nursery, and adequate acreage for cotton, corn, grain, and vegetable crop projects. A portion of the College Farm is planted to permanent pasture and hay crops for livestock. The entire 1,100 acres is used as a working laboratory. A horticulture and viticulture packing shed and a raisin processing plant makes it possible for students to pack out and process their own fruit, grapes, and raisins grown in the program.

The **Agricultural Inspection** major prepares students for job opportunities in civil service positions with county, state and federal agencies. These agencies employ inspectors to enforce the agricultural laws and regulations which have been established for the protection of various agriculture enterprises. This major will also qualify students for sales positions with chemical and insecticide companies.

The **Crop Production (Agronomy)** major prepares students for field crop production and for general farming involving combinations of both crops and livestock for placement in such fields as service and sales in seeds, weed and pest control, and fertilizers; as research assistants; as fieldmen with chemical companies; positions in the Soil Conservation Service; gin managers; for county, state and government employment as agronomists; and as farm foremen.

The **Enology** major prepares students for positions in the California wine industry. Typical positions include laboratory technicians, cellar foremen, plant scientists, wine chemists, processing department supervisors, production managers, and winery and vineyard fieldmen.

The **Horticulture** major prepares students for general fruit farming, managers of orchards, inspectors in fruit processing plants, supervisory positions in fruit packing plants, and for careers with county, state and federal agencies.

The **Ornamental Horticulture** major prepares students for the nursery industry, landscaping and grounds work, sales positions, and teacher education in general agriculture.

The **Viticulture** major prepares students for a wide variety of jobs, such as vineyard foremen, extension assistants, inspectors for raisin plants, grape buyers, field and plant representatives, shipping clerks, salesmen of chemical supplies and insecticides. Many graduates return to farms where they operate their own vineyards.

The **Agribusiness** major with an option in plant science prepares students for positions in areas such as agricultural sales, including seed, fertilizers, insecticides, weedicides, herbicides and fungicides; appraising for insurance companies; banks; fruit, grain, and vegetable buying; management, credit, accounting and other office work in related agricultural industry; and general farming.

BACHELOR OF SCIENCE DEGREE AND THE TECHNICAL CERTIFICATE

General Education Requirements

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

Major Requirements

Agricultural Inspection	Units		Crop Production	Units		Enology	Units	
	BS	T		BS	T		BS	
Ag 13	3	3	CP 11	3	3	E 15	3	
Ag 105	3	3	CP 12	3	3	E 115	5	
Ag 106	3	3	CP 60	3	3	E 116	4	
Ag 113	2	2	CP 150	3	-	E 151a-b	6	
Ag 114	3	3	Ag 106	3	3	E 160	3	
Ag 130	4	-	Ag 112	3	-	E 171	3	
Ag 159	2	2	Ag 146	3	3	V 13	2	
CP 60	3	3	Bot. 104	4	-	V 50	3	
H 57	3	3	CP electives	12	9	V 101	3	
H 181	3	-				Ag 20	4	
OH 33	3	3						
V 50	3	3						
V 101, Ag 112, or								
H 112	3	-						
	38	28						

Horticulture	Units		Ornamental Horticulture	Units		Viticulture	Units	
	BS	T		BS	T		BS	T
H 11	3	3	OH 3	3	3	V 11	3	3
H 12	3	3	OH 22	3	3	V 13	2	2
H 57	3	3	OH 33	3	3	V 16	3	3
H 112	3	3	OH 53	3	3	V 50	3	3
H 181	3	-	OH 111	3	3	V 101	3	3
H 186	3	3	OH 123	3	3	V 110	3	3
H elective	3	3	OH 125	3	3	V 166	3	3
Ag 105	-	3	OH 132	3	-	V 170	1	-
Ag 106	3	-	OH 162	3	-	Ag 106	3	3
Ag 114	3	3	OH 163	3	-	Ag 146	3	-
Ag 146	3	-	Ag 13	-	3	Bot. 104	4	-
Ag 159	-	2	Ag 106	3	-	E 15	3	3
Bot. 104	4	-	Ag 146	3	-	H 11 or 12	3	-
V 11 or 16	3	-	Ag 159	2	2			
	37	26						

Agribusiness (Plant Science Option)

	Units
Ag 31, 106, 112, 130, 136, 146, 159	21
CP 60	3
Elect from one of the following specific areas:	
CP, H, OH, E, V, or Ag Inspection	12
Acctg. 1a-b, Mktg. 100	9
Bus. Ad. 102, 110, 118a-b, 133, 151	18
Business electives (u.d.)	3
	66