### Horticulture and Crop Science Department

**BS CROP SCIENCE**

- **60 units upper division**
- **GWR**
- **2.0 GPA**
- **USCP**

* = Required in Support; also satisfies GE

**Note:** No major, support or concentration courses may be taken as credit/no credit.

#### Major Courses

- HCS 110 Orientation to Horticulture/Crop Science .. 2
- HCS 120 Principles of Horticulture & Crop Science ... 4
- CRSC 132 California Field Crops ....................... 4
- VGSC 190 California Vegetable Production .......... 4
- CRSC 202/CRSC 203/VGSC 202 Enterprise Proj ...... 2
- FRSC 230 California Fruit Growing .................... 4
- HCS 231 Commercial Seed Production ............... 4
- CRSC 244 Precision Farming ............................ 4
- HCS 304 Plant Breeding .................................. 4
- PPSC 311 Agricultural Entomology ...................... 4
- PPSC 321 Weed Biology and Management ............. 4
- HCS 410 Crop Physiology or
  - BIO 435 Plant Physiology .............................. 4
- CRSC 411 Experimental Techniques and Analysis .... 4
- HCS 461, 462 Senior Project I, II ........................ 2,2
- HCS 463 Undergraduate Seminar ....................... 1
- CRSC/FRSC/HCS/PPSC/VGSC 300-400 level electives ............... 8

#### Support Courses

- BIO 303 Survey of Genetics ............................. 4
- BOT 121 General Botany (B2 & B4)* .................. 4
- BOT 323 Plant Pathology ................................. 4
- BRAE 340 Irrigation Water Mgmt (Area F)* ......... 4
- CHEM 111 Survey of Chemistry (B3&B4)* .......... 5
- CHEM 312 Survey of Organic Chemistry .......... 5
- MATH 118 Pre-Calculus Algebra (B1)* ............. 4
  (MATH 116 & 117 substitute)
- STAT 218 Applied Statistics/Life Sciences (B1)* .... 4
- SS 121 Introductory Soil Science ...................... 4

† Approved electives ........................................ 25

Select 25 units from the following. At least 12 units must be 300-400 level:

- AG 360, 315;
- AGB 301, 310, 312, 321, 336, 401;
- CRSC 123, 333, 402, 445;
- FRSC 133, 342;
- HCS 327, 340, 421, 200†, 339†, 400†;
- HCS/BOT 450;
- PPSC 327, 405, 421, 431, 441;
- PPSC/EHS 427;
- SS 321, 322;
- VGSC 402, 423

### General Education (GE)

72 units required, 20 of which are specified in Support.

→ See page 50 for complete GE course listing.

→ Minimum of 12 units required at the 300 level.

#### Area A Communication (12 units)

- A1 Expository Writing .................................... 4
- A2 Oral Communication .................................... 4
- A3 Reasoning, Argumentation, and Writing .......... 4

#### Area B Science and Mathematics (no additional units req'd)

- B1 Mathematics/Statistics .............................. 8
- B2 Life Science ........................................... 4
- B3 Physical Science ...................................... 4
- B4 One lab taken with either a B2 or B3 course

#### Area C Arts and Humanities (20 units)

- C1 Literature ............................................. 4
- C2 Philosophy ............................................ 4
- C3 Fine/Performing Arts ................................. 4
- C4 Upper-division elective ............................... 4
- C Area C elective (Choose one course from C1-C4) .... 4

#### Area D/E Society and the Individual (20 units)

- D1 The American Experience (40404) ............... 4
- D2 Political Economy ..................................... 4
- D3 Comparative Social Institutions .................. 4
- D4 Self Development (CSU Area E) ................... 4
- D5 Upper-division elective ............................ 4

#### Area F Technology Elective (upper division)

* 4 units in Support ......................................... 0

### Free Electives

4 units

180 units

† Consultation with advisor is recommended prior to selecting approved electives; bear in mind your selections may impact pursuit of post-baccalaureate studies and/or goals.

‡ HCS 200 and 400 up to 2 units each; HCS 339 up to 4 units.