BS AGRICULTURAL AND ENVIRONMENTAL PLANT SCIENCES

- 60 units upper division
- 2.0 GPA
- USCP

* = Required in Support; also satisfies GE

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

MAJOR COURSES

- HCS 110 Orientation to Horticulture/Crop Science
- HCS 120 Principles of Horticulture/Crop Science
- HCS 124 Plant Propagation
- HCS 304 Plant Breeding
- HCS 327 Abiotic Plant Problems
- HCS 410 Crop Physiology
- HCS 461 Senior Project I
- HCS 462 Senior Project II
- PPSC 321 Weed Biology and Management
- BOT 121 General Botany
- BOT 323 Plant Pathology
- SS 121 Introductory Soil Science
- Concentration courses (see below)

SUPPORT COURSES

- BRAE 340 Irrigation Water Mgmt (Area F)
- BUS 212 Financial Acctg/Nonbusiness Majors
- CHEM 111 Survey of Chemistry (B3&B4)
- CHEM 312 Survey of Organic Chemistry
- ECON 201 Survey of Economics (D2)
- MATH 118 Pre-Calculus Algebra (B1)
- SPAN 111 Elem Hispanic Lang/Culture (USCP)
- STAT 218 Applied Statistics/Life Sciences (B1)

GENERAL EDUCATION (GE)

- 72 units required, 24 of which are specified in Support.
- Minimum of 12 units required at the 300 level.

Area A Communication (12 units)

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

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

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

Area C Arts and Humanities (20 units)

- C1 Literature
- C2 Philosophy
- C3 Fine/Performing Arts

C4 Upper-division elective

Area C elective (Choose one course from C1-C4)

Area D/E Society and the Individual (16 units)

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

Area F Technology Elective (upper division)

- 4 units in Support

FREE ELECTIVES

- 6

CONCENTRATIONS (select one)

Crop Science Concentration

- VGSC 190 California Vegetable Production
- VGSC 202 or CRSC 203 Enterprise Project
- HCS 231 Commercial Seed Production
- CRSC 411 Experimental Techniques/Analysis
- HCS 421 Postharvest Technology/Hort Crops
- CRSC 445 Cropping Systems

Select 20 units from the following:

- AG 315, 360
- AGB 301, 310, 312, 321, 336, 401
- CRSC 123, 244, 333; CRSC 402 or VGSC 402
- VGSC 132, 231, 331, 342
- HCS 200†, 339†, 340, 400†, 450
- PPSC 327, 405, 421, 427, 431, 441
- SS 321, 322; VGSC 423

FRUIT SCIENCE CONCENTRATION

- FRSC 123 Beekeeping
- FRSC 132, 133 Pomology I, II
- FRSC 202 Enterprise Project
- FRSC 231 Viticulture I
- FRSC/VWIT 331 Viticulture II or VWIT 332 or VWIT 333 (2/5/16)
- FRSC 342 Citrus and Avocado Fruit Production
- CRSC 411 Experimental Techniques and Analysis
- HCS 421 Postharvest Technology/Hort Crops

Select 9 units from the following:

- AGB 260, 301, 310, 315, 321, 401
- CRSC 333, 445
- CRSC 402 or FRSC 402 or VGSC 402
- VGSC 415
- HCS 200†, 339†, 400†, 450
- PPSC 327, 405, 414, 421, 431, 441
- SS 321, 322
- VGSC 190 or 230, 423; VWIT 433

1 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.

2 May substitute 1 unit of any upper-division free elective. (12/11/14)
### Greenhouse and Nursery Plant Production Concentration

- EHS 127 Horticulture and Landscape Design .......... 4
- EHS 210 or EHS 310 Enterprise Project (I or II) ....... 2
- EHS 231, 232 Plant Materials I, II ....................... 4
- EHS 245 Horticultural Production Techniques .......... 3
- EHS 315 Herbaceous & Specialty Plant Production ..... 4
- EHS 342 Potted Plant Production .......................... 4
- HCS 340 Principles of Greenhouse Environment ....... 4
- PPSC 427 Disease and Pest Control Systems for Ornamental Plants ........................................ 4

2 Approved electives ........................................ 9

Select 9 units from the following:
- AGB 401;
- BUS 310, 346, 409;
- CRSC 333;
- EHS 210 or 310, 324, 341, 381, 382, 402, 424;
- HCS 200\(^i\), 339\(^i\), 400\(^i\), 421;
- PPSC 327, 405, 421, 431, 441

### Plant Protection Science Concentration

- CRSC 411 Experimental Techniques and Analysis ........ 4
- FRSC/VGSC 202 or CRSC/FRSC/VGSC 402 or EHS 210/310 Corrected (7/2/12) ............. 2
- PPSC 327 Vertebrate Pest Management ....................... 4
- PPSC 405 Advanced Weed Management ..................... 4
- PPSC 421 Plant-Pest Interactions or AEPS 427 (6/25/15) .... 4
- PPSC 431 Insect Pest Management .......................... 4
- PPSC 441 Biological Control for Pest Management ....... 4

2 Approved electives ........................................ 16

Select 16 units from the following:
- AG 315;
- BIO 114;
- BOT 326;
- BRAE 331;
- CHEM 313;
- CRSC 123, 244, 333, 445;
- EHS 245, 315, 341, 342, 343;
- FRSC 132, 133, 231, 331, 342;
- HCS 200\(^i\), 231, 339\(^i\), 340, 400\(^i\), 421, 450;
- MICRO 221, 436;
- PPSC 427;
- SS 322, 422;
- VGSC 190

### Public Horticulture Concentration

- EHS 123 Landscape Installation and Maintenance ....... 4
- EHS 127 Horticulture and Landscape Design .......... 4
- EHS 231, 232 Plant Materials I, II ....................... 4
- EHS 343 Turfgrass Management ............................. 4
- EHS 437 Park and Public Space Management .......... 4
- PPSC 427 Disease and Pest Control Systems for Ornamental Plants ........................................ 4

2 Approved electives ........................................ 14

### Sustainable Landscape Management and Design Concentration

- EHS 123 Landscape Installation and Maintenance ....... 4
- EHS 126 Landscape Construction ............................ 3
- EHS 127 Horticulture and Landscape Design .......... 4
- EHS 231, 232 Plant Materials I, II ....................... 4
- EHS 331 Landscape Contracting ............................ 4
- EHS 343 Turfgrass Management ............................. 4

2 Approved electives ........................................ 15

Select 44 units from the following:
- AGB 401;
- BRAE 331, 337;
- EHS 301, 324, 381, 421, 433, 434, 427, 437;
- HCS 200\(^i\), 339\(^i\), 400\(^i\);
- PPSC 327, 405, 421, 431, 441

### Turfgrass and Sports Field Management Concentration

- EHS 231, 232 Plant Materials I, II ....................... 4
- EHS 343 Turfgrass Management ............................. 4
- EHS 430 Sports Field Construction/Management ......... 4
- EHS 433 Golf Course Management Operations ......... 4
- EHS 434 Landscape Management ............................ 4
- HCS 339 Internship in Horticulture/Crop Science .... 4
- PPSC 427 Disease and Pest Control Systems for Ornamental Plants ........................................ 4

2 Approved electives ........................................ 10

Select 10 units from the following:
- BOT 326;
- BRAE 331, 337;
- CRSC 411;
- EHS 301, 324, 381, 421, 437;
- HCS 200\(^i\), 400\(^i\);
- PPSC 327, 405, 431;
- SS 310, 322

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1 The course selected to satisfy this requirement may not be taken again for credit as an approved elective.
2 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.