

HORTICULTURE SCIENCE AND PRODUCTION CONCENTRATION

Our concentration in Horticulture Science and Production is designed to provide students with the knowledge and skills needed for production, management and marketing of horticultural crops. This concentration also prepares students with strong interests in science and/or technology to pursue opportunities in research-related fields, including graduate studies. Careful selection of departmental courses and other electives in consultation with the assigned academic advisor will prepare graduates for the career of their choice. Employment prospects range managing nursery and greenhouse businesses, to consulting and education, to marketing fruits and vegetables for healthier lifestyles.

Requirements for the Bachelor of Science in Plant Sciences • Plant Sciences Major • Horticulture Production and Technology Concentration

First Year

Agriculture and Natural Resources 100 or First Year Studies 101	1
¹ Arts and Humanities Elective*	3
Biology 111*, 112*	8
Chemistry 100 and 110*, or 120* and 130*	8
English 101*, 102*	6
¹ Quantitative Reasoning Electives*	6

Second Year

Agriculture and Natural Resources 290	3
¹ Arts and Humanities Elective*	3
Communication Studies 210* or 240*	3
¹ Cultures and Civilizations Elective*	3
Environmental and Soil Sciences 210	4
² Economics Elective*	3-4
Plant Sciences 210	3
Physics 101	3
^{1,2} Social Sciences Elective*	3

Third Year

Biochemistry and Cellular and Molecular Biology 321 or Forestry 414	3-4
¹ Cultures and Civilizations Elective*	3
English 295* or 360*	3
Entomology and Plant Pathology 313 or 321 or 410	3
Environmental and Soil Sciences 334	3
Plant Sciences 220, 230, 290 or 291	3
Plant Sciences 457-458 or 457-459	3
³ Plant Sciences Electives	6
Technical Electives	4-5

Fourth Year

Plant Sciences 331, 353, 410*, 430, 470	13
Plant Sciences 492 or 497	3
³ Plant Sciences Electives	6
Technical Electives	4-5
Unrestricted Electives	5

Total 124

* Meets University General Education Requirement.

¹ Choose from the University General Education lists. Selection should be made in conference with academic advisor.

² Economics 201 (4) Principles of Economics satisfies the University General Education-Social Science requirement and the major requirement for economics. If the student transfers ECON LD for 3 credits, it will satisfy the major requirement for economics but will not satisfy the General Education-Social Science requirement. In these cases, the student should take two courses from the approved General Education-Social Sciences list.

³ Select any Plant Sciences courses beyond those that are required.

Students must meet the University General Education Requirement Communicating through Writing by selecting a course with a (WC) designation. This course may be in the major or from another discipline. Plant Sciences 448 satisfies the Communicating through Writing requirement.

TECHNICAL ELECTIVES

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300-level and above from Agricultural Economics, Environmental and Soil Science, Forestry, Plant Sciences; 200-level and above from Biology, Business Administration; courses from Biochemistry and Cellular and Molecular Biology, Biosystems Engineering, Biosystems Engineering Technology, Chemistry, Ecology and Evolutionary Biology, Management, Marketing, Microbiology, Physics, Spanish, Statistics; and Accounting 200; Business Law 301; English 295, 360; Finance 301; Geology 201, 202; Journalism/Electronic Media 450, 451, 456.