The Horticultural Science Concentration in the Department of Horticulture prepares students for careers in nursery, greenhouse, fruit and vegetable production, marketing and management. This option is also excellent for students interested in biotechnology, plant breeding and genetics and graduate studies in plant sciences.

University Requirements:

Writing Tier I: Writing, Rhetoric & American Cultures
Tier II Writing Course (HRT 404)

Integrative Studies in Social Science .
(1SS 2XX & 1SS 3XX)

Integrative Studies in Arts & Humanities
(IAH 'A', 2XX, 210, & IAH 'B', 211- higher)

Integrative Studies in Biological & Physical Sciences
(Alternate Track)
CEM 141 (4) General Chemistry
CEM 161 (1) Chemistry Laboratory
CEM 143 (4) Organic Chemistry
PLB 105 (3) Plant Biology
PLB 106 (1) Plant Biology Laboratory

Requirements for all students in this concentration: 12 credits

PLP 405 (3) Introduction to Plant Pathology
CSS 350 (3) Introduction to Plant Genetics
ENT 404 (3) Insects; Biodiversity
HRT 221 (3) Greenhouse Structures & Management

Production Courses: 12 credits

Nine credits from:
HRT 310 (3) Nursery Management
HRT 323 (3) Floriculture Production
HRT 332 (2) Tree Fruit Production
HRT 336 (2) Viticulture and Berry Production
HRT 341 (3) Vegetable Production & Management

Plus three credits from:
HRT 211 (3) Landscape Plants I
HRT 212 (3) Landscape Plants II
HRT 218 (3) Irrigation Systems for Horticulture
HRT 242 (1) Passive Greenhouses for Protected Cultivation
HRT 243 (1) Organic Transplant Production
CSS 288 (3) Weed Science

CANR Requirements:

College Algebra & Trigonometry
(MTH 116, or MTH 103 + MTH 114)

Micro or Macro Economics (EC 201 or 202)

Dept. Requirements for all majors:

21 credits

CSS 210 (3) Introduction to Soil & Landscape Science
HRT 203 (3) Principles of Horticulture I
HRT 204 (2) Propagation
HRT 205 (1) Plant Mineral Nutrition
HRT 206 (1) Pruning Techniques
HRT 207 (1) Horticulture Career Development
HRT 361 (3) Applied Plant Physiology
HRT 362 (1) Applied Crop Improvement
HRT 404 (3) Horticulture Management (Tier II Writing)
HRT 493 (3) Internship

Science Courses: 9 credits

HRT 401 (3) Advanced Horticultural Crop Physiology
HRT 403 (3) Handling and Storage of Horticultural Crops
HRT 407 (3) Horticulture Marketing
HRT 451 (3) Biotechnology Applications for Plant Breeding and Genetics
HRT 486 (3) Biotechnology in Agriculture: Applications and Ethical Issues