



Horticultural Science Concentration Program of Study

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 101
Tier II Writing Course (HRT 404)

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

Integrative Studies in Arts & Humanities
(IAH 'A', 201-210, & 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

CANR Requirements:

College Algebra MTH 103
Statistical Methods STT 200

Micro or Macro Economics (EC 201 or 202)

Dept. Requirements for all majors: 21 credits

CSS 210 (3) Introduction to Soil & Landscape Science
CSS 350 (3) Plant Genetics
HRT 203 (3) Principles of Horticulture I
HRT 204 (3) Plant Propagation and Use
HRT 205 (1) Plant Mineral Nutrition
HRT 207 (1) Horticulture Career Development
HRT 361 (3) Applied Plant Physiology
HRT 404 (3) Horticulture Management (Tier II Writing)
HRT 493 (3) Internship

Requirements for all students in this concentration: 9 credits

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

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

Production Courses: 12 credits

HRT 211 (3) Landscape Plants I
HRT 212 (3) Landscape Plants II
HRT 218 (2) Irrigation Systems for Horticulture
HRT 218L (1) Irrigation Systems Lab
HRT 242 (1) Passive Greenhouses for Protected Cultivation
HRT 243 (1) Organic Transplant Production
HRT 253 (1) Compost Production and Use
HRT 310 (3) Nursery Management
HRT 323 (3) Floriculture Production
HRT 332 (3) Tree Fruit Production
HRT 336 (2) Viticulture and Berry Production
HRT 341 (3) Vegetable Production & Management
HRT 475 (3) International Studies in Horticulture
CSS 326 (3) Weed Science
CSS 226L(1) Weed Science Lab