

Horticulture Technology

Overview

Associate of Applied Science

PURPOSE: The Horticulture Technology program is designed to prepare students for a wide range of horticulture careers. Training is available for those who seek to begin a career track, and those who are changing careers. Individuals already in the green industry are invited to improve or upgrade their skills and knowledge with appropriate courses.

OCCUPATIONAL OBJECTIVES: The program offers hands-on laboratory work and classroom instruction in the design-install-maintain aspects of landscaping, in floral design, and in production of horticultural materials. Many of our graduates own and operate their own businesses, while others are employed by corporate, commercial, or governmental entities.

ADMISSION REQUIREMENTS: General college curricular admission

PROGRAM NOTES: Students in the Horticulture Technology program must complete a basic core of specified horticulture technology and general education courses. In addition, in consultation with the program head, the students will select technical courses that match their career objectives.

Students who already have a two-year, four-year, or graduate degree should request that their transcripts be sent to the college registrar if transfer credit is desired. It is strongly recommended that students meet with the program head or counselor either before registering or early in their first semester of study.

COMPUTER COMPETENCY REQUIREMENT: Students in this program will meet the college's computer competency requirement by successfully completing ITE 115. Students can also meet this requirement by passing the college's computer competency exam, administered in the testing centers on each campus, in which case they will receive college credit for ITE 115. Students not passing the computer competency exam may retake the exam only once.

CURRICULUM SEQUENCE: The curriculum sequence that follows is one example of how courses may be completed. Students should work with their program advisor to determine the most appropriate sequence.

Roadmap

COURSE	TITLE	LEC. HRS.	LAB. HRS.	CRS. CRE.
SDV 100	College Success Skills	1	0	1
ENG 111	College Composition I	3	0	3
MTH 111 or MTH 130	Basic Technical Mathematics or Fundamentals of Reasoning	3	0	3
_____ 1	Social/Behavioral Science Elective	3	0	3
_____ 1	Humanities/Fine Arts Elective	3	0	3
HRT 106 ²	Practical Horticulture	0	2	1
HRT 110 ²	Principles of Horticulture	3	0	3
TOTAL		16	2	17
ENG 112	College Composition II	3	0	3
ITE 115	Introduction to Computer Applications and Concepts	3	0	3
_____ 1	Social/Behavioral Science Elective	3	0	3
HRT 125 ^{2,3}	Chemicals in Horticulture	2	2	3
HRT 127 ^{2,6}	Horticultural Botany	2	2	3
_____ 1	Personal Wellness Elective	0-2	0-4	2
TOTAL		13-15	4-8	17
HRT 201 ²	Landscape Plant Materials I	2	2	3
HRT ____ ⁴	Approved HRT Elective	2-3	0-2	3
HRT ____ ⁴	Approved HRT Elective	2-3	0-2	3
HRT ____ ⁴	Approved HRT Elective	2-3	0-2	3
HRT ____ ⁴	Approved HRT Elective	2-3	0-2	3
TOTAL		10-14	2-10	15
HRT 202 ²	Landscape Plant Materials II	2	2	3
HRT ____ ⁴	Approved HRT Elective	2-3	0-2	3
HRT ____ ⁴	Approved HRT Elective	2-3	0-2	3
HRT ____ ⁴	Approved HRT Elective	2-3	0-2	3
HRT ____ ⁴	Approved HRT Elective	2-3	0-2	3
HRT 290 ^{2,5}	Coordinated Internship	0	10	2
TOTAL		10-14	12-20	17
Total Minimum Credits for AAS Degree in Horticulture				66

REYNOLDS COMMUNITY COLLEGE

¹ A list of approved general education electives (humanities/fine arts, social/behavioral sciences, mathematics/science, and personal wellness) is provided in the General Education section of the catalog under Curriculum Planning and Design.

² Course is required of all Horticulture Technology AAS students.

³ Credit will be given for HRT 125 - Chemicals in Horticulture upon evidence of a valid Commercial Pesticide Applicator Certificate (with an endorsement in 3-A and 3-B) issued from VDACS or completion of HRT 135 - Training for Commercial Pesticide Application. A college-level chemistry course (ex., CHM 101, 102, 111) may be substituted for HRT 125 - Chemicals in Horticulture.

⁴ Approved HRT electives are listed below according to focus areas in the field of horticulture.

⁵ Coordinated Internship will be waived on evidence of five or more years' experience in the green industry. An approved HRT elective will be substituted.

⁶ A college-level biology course (ex., BIO 101, 102, 107, 270) may be substituted for HRT 127 - Horticultural Botany.

Following is a list of approved Horticulture electives that is organized according to focus areas within the green industry. In consultation with their HRT advisor, students will select a total of 24 credits of HRT electives from this list that are consistent with students' career objectives.

Horticulture electives in the SUSTAINABLE AGRICULTURE focus

HRT 130 Introduction to Biointensive Mini-farming (3 cr.)

HRT 134 Four Season Food Production (3 cr.)

HRT 205 Soils (3 cr.)

HRT 238 Growing for Market Mini-farming (3 cr.)

HRT 239 Complete Diet Mini-farming (3 cr.)

HRT 295 Sustainable Landscape Design (3 cr.)

Horticulture electives in the LANDSCAPE DESIGN focus

HRT 120 History of Garden Design (3 cr.)

HRT 150 Theory of Landscape Design (3 cr.)

HRT 231 Planting Design I (3 cr.)

HRT 232 Planting Design II (3 cr.)

HRT 235 Landscape Drawing (3 cr.)

HRT 249 Perennial Plants (3 cr.)

HRT 275 Landscape Construction and Maintenance (3 cr.)

HRT 285 Management of a Horticultural Business (3 cr.)

HRT 295 Sustainable Landscape Design (3 cr.)

Horticulture electives in the PLANT PRODUCTION focus

HRT 115 Plant Propagation (3 cr.)

HRT 121 Greenhouse Crop Production I (3 cr.)

HRT 122 Greenhouse Crop Production II (3 cr.)

HRT 205 Soils (3 cr.)

HRT 226 Greenhouse Management (3 cr.)

HRT 285 Management of a Horticultural Business (3 cr.)

Horticulture electives in the FLORAL DESIGN focus

HRT 260 Introduction to Floral Design (3 cr.)

HRT 266 Advanced Floral Design (3 cr.)

HRT 268 Advanced Floral Design Applications (3 cr.)

Horticulture electives in the LANDSCAPE and TURF MANAGEMENT focus

HRT 119 Irrigation Systems for Turf and Ornamentals (3 cr.)

HRT 126 Home Landscaping (3 cr.)

HRT 135 Training for Commercial Pesticide Application (3 cr.)

HRT 205 Soils (3 cr.)

HRT 227 Professional Landscape Management (3 cr.)

HRT 249 Perennial Plants (3 cr.)

HRT 259 Arboriculture (3 cr.)

HRT 269 Professional Turf Care (3 cr.)

HRT 275 Landscape Construction and Maintenance (3 cr.)

HRT 285 Management of a Horticultural Business (3 cr.)

HRT 295 Sports Turf Management (3 cr.)