

Contact Us:

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Program Overview

Horticulture is defined as the “art and science of garden cultivation and management”. In the purest sense, being a Horticulturist means being an expert on growing and caring for plants of various types and species. However, in the modern horticulture profession, it often takes additional technical skills to successfully grow, design, install, and maintain plants and landscapes.

PROGRAM REQUIREMENTS

A.A.S., Major in Horticulture Technology

The Associate in Applied Science–Major in Horticulture Technology prepares students for supervisory, middle management and technical positions in horticulture.

Students will learn the scientific principles and practices of plant growth and development, soils, and pest and pathogen control. Additionally, students will gain substantial hands-on experience operating the latest tools, equipment, and technologies used in the horticulture industry by participating in laboratory activities and field trips.

Graduates of the two-year Horticulture Technology major may pursue supervisory, middle management or technical careers in garden centers, nurseries, greenhouses, landscape operations, golf courses, athletic fields, lawn care companies, tree care companies, and public and private gardens.

GENERAL EDUCATION COURSES

COURSES	CREDIT HOURS
ART 101 Art History and Appreciation..... 3.0 <i>or Approved Humanities/Fine Arts Course</i>	
ENG 165 Professional Communications..... 3.0 <i>or ENG 101 English Composition I</i>	

MAT 170 Algebra, Geometry and Trigonometry I..... 3.0 <i>or MAT 120 Probability and Statistics</i>	
PSY 103 Human Relations 3.0 <i>or ANY Social/Behavioral Science listed</i>	
SPC 205 Public Speaking 3.0	
SUBTOTAL: 15.0	

REQUIRED CORE SUBJECT AREAS

COURSES	CREDIT HOURS
HRT 107 Woody Ornamentals 2.0	
HRT 108 Annuals and Perennials 2.0	
HRT 110 Plant Form and Function 4.0 <i>or BIO 101 Biological Science I</i>	
HRT 125 Soils 4.0	
HRT 141 Horticulture Pest Control..... 4.0	
SUBTOTAL: 16.0	

OTHER COURSES REQUIRED FOR GRADUATION

COURSES	CREDIT HOURS
CWE 101 Cooperative Work Experience Preparation..... 1.0	
HRT 101 Introduction to Horticulture 3.0	
HRT 104 Landscape Design and Implementation 3.0	
HRT 121 Commercial Irrigation 3.0	
HRT 130 Greenhouse Production 3.0	
HRT 133 Basic Plant Propagation 2.0	
HRT 153 Landscape Construction 3.0	
HRT 200 Horticulture Business Management 3.0	
HRT 212 Commercial Landscape Design..... 3.0	
HRT 241 Turfgrass Management 3.0	
HRT 254 Landscape Maintenance..... 2.0	
HRT 255 Urban Tree Care 3.0	
MGT 120 Small Business Management..... 3.0 <i>or ACC 101 Introduction to Accounting</i> <i>or BUS 101 Introduction to Business</i>	

SUBTOTAL: 35.0
TOTAL CREDIT HOURS: 66.0

Landscape Management Certificate

The purpose of the Landscape Management certificate is to cultivate enthusiastic, knowledgeable, and skilled professionals that are equipped for careers in the field of landscape and grounds management, including the management of trees, shrubs, annuals, and turfgrass by providing them with theoretical and hands-on, industry and research backed training in the latest landscape management sciences, practices, technologies and equipment.

REQUIRED COURSE INFORMATION

COURSES	CREDIT HOURS
CWE 101 Cooperative Work Experience Preparation.....	1.0
HRT 107 Woody Ornamentals	2.0
HRT 108 Annuals and Perennials	2.0
HRT 121 Commercial Irrigation	3.0
HRT 141 Horticulture Pest Control.....	4.0
HRT 241 Turfgrass Management.....	3.0
HRT 254 Landscape Maintenance.....	2.0
HRT 255 Urban Tree Care	3.0
SUBTOTAL: 20.0	
TOTAL CREDIT HOURS: 20.0	

Turfgrass Management Certificate

The purpose of the Turfgrass Management certificate is to cultivate enthusiastic, knowledgeable, and skilled professionals that are equipped for careers in the field of lawn care and golf and sports turf management by providing them with theoretical and hands-on, industry and research backed training in the latest turfgrass management sciences, practices, technologies and equipment.

REQUIRED COURSE INFORMATION

COURSES	CREDIT HOURS
CWE 101 Cooperative Work Experience Preparation.....	1.0
HRT 121 Commercial Irrigation	3.0
HRT 141 Horticulture Pest Control.....	4.0
HRT 241 Turfgrass Management.....	3.0
HRT 254 Landscape Maintenance.....	2.0
SUBTOTAL: 13.0	
TOTAL CREDIT HOURS: 13.0	

Landscape Design and Installation Certificate

The purpose of the Landscape Design and Installation certificate is to cultivate enthusiastic, knowledgeable, and skilled professionals that are equipped for careers in the field of landscape design and the installation of plants and hardscapes by providing them with theoretical and hands-on, industry and research backed training in the latest landscape design and installation sciences, practices, technologies and equipment.

REQUIRED COURSE INFORMATION

COURSES	CREDIT HOURS
CWE 101 Cooperative Work Experience Preparation.....	1.0
HRT 104 Landscape Design and Implementation	3.0
HRT 107 Woody Ornamentals	2.0
HRT 108 Annuals and Perennials	2.0
HRT 121 Commercial Irrigation	3.0
HRT 153 Landscape Construction.....	3.0
HRT 200 Horticulture Business Management	3.0
HRT 212 Commercial Landscape Design.....	3.0
HRT 255 Urban Tree Care	3.0
SUBTOTAL: 23.0	
TOTAL CREDIT HOURS: 23.0	

Greenhouse Management Certificate

The purpose of the Greenhouse Management certificate is to cultivate enthusiastic, knowledgeable, and skilled professionals that are equipped for careers in the field of greenhouse management, including knowledge of managing greenhouse structures and growing greenhouse crops by providing them with theoretical and hands-on, industry and research backed training in the latest greenhouse management sciences, practices, technologies and equipment.

REQUIRED COURSE INFORMATION

COURSES	CREDIT HOURS
CWE 101 Cooperative Work Experience Preparation.....	1.0
HRT 101 Introduction to Horticulture.....	3.0
HRT 107 Woody Ornamentals	2.0
HRT 108 Annuals and Perennials	2.0
HRT 130 Greenhouse Production.....	3.0
HRT 133 Basic Plant Propagation	2.0
HRT 141 Horticulture Pest Control.....	4.0
SUBTOTAL: 17.0	
TOTAL CREDIT HOURS: 17.0	

>>> Visit www.ptc.edu/horticulture to learn more.