

HORTICULTURE TECHNOLOGY SPECIALIZATION - LANDSCAPE & HORTICULTURE TECHNOLOGY, ASSOCIATE IN SCIENCE

Program Code: LHASHORT
Meta-Major: STEM
Location(s): Melbourne
Delivery Method(s): On-Campus, Hybrid
Previous Degree Required: HS Diploma
Eligible for Financial Aid: Yes
Additional Limited Access Application Process Required: No
Program Testing Requirements: CPT - Common Placement Test (PERT, ACCUPLACER, SAT, ACT)
Classification of Instructional Programs (CIP) Code: 01.0605
Florida Department of Education CIP Code: '1101060502

Students can only select one major and one specialization.

[Visit the program page for more details and how to apply.](#)

Specialization Requirements

Code	Title	Credit Hours
General Education Requirements		
BSCC 1010	General Biology 1	4
ENC 1101	Composition 1	3
MAC 1105	College Algebra	3
	Humanities Requirement	3
	Social/Behavioral Science Requirement	3
Major Courses		
BOTC 1010	Botany	4
CHM 1025	College Chemistry	3
CHML 1025	College Chemistry Laboratory	1
ECO 2013	Principles of Economics 1 (Macroeconomics)	3
ENYC 2000	Principles of Entomology	4
HOSC 2010	Horticulture 1	3
HOSC 2011	Horticulture 2	3
PLPC 2310	Plant Pathophysiology	4
Horticulture Technology Specialization		
Select 13 credits from the following:		13
IPMC 2323	Soils and Application of Pesticides and Fertilizers	
ORHC 1510	Plant Identification	
PLSC 2220	Plant Propagation	
ORHC 2251	Nursery Operations and Management	
or ORHC 2260 Greenhouse Operations and Management		
Horticulture Technical Electives		6
ENT 2411	Small Business Accounting and Finance	
ENYC 2041	Practical Beekeeping	
ETDC 2320	AutoCAD Fundamentals	

HOS 2932	Selected Topics in Horticulture and Landscape Technology
HOSC 2005	Principles of Hydroponics
LDE 2301	Irrigation Design and Maintenance
MAT 1033	Intermediate Algebra
ORHC 2251	Nursery Operations and Management
ORHC 2260	Greenhouse Operations and Management
Total Credit Hours	60

1

Courses in the specializations above may be used as technical electives as long as they are not being used to fulfill the specialization requirement. The following electives are grouped by specialization. However, students may take any technical elective they choose.

Learning Outcomes: Landscape & Horticulture Programs

The outcomes below apply to the Landscape and Horticulture A.S. Degree (Horticulture Technology and Landscape Technology Specializations); to the Landscape and Horticulture Professional CCC; and to the Landscape and Horticulture Technician CCC (Horticulture Specialization).

- Develop a pest control plan for a select species using various control methods.
 - Supports Core Ability: Communicate Effectively*
- Manipulate plant growth and growth regulators on select plant species.
 - Supports Core Ability: Think Critically and Solve Problems*
- Characterize different biotic and abiotic stressors for a given plant species.
 - Supports Core Ability: Process Information*
- Demonstrate proficiency of Florida commercial fertilizer application laws, rules, and regulations (i.e. Chapter 576 FS, 576.021(1) FS, 576.045 (2) FS).
 - Supports Core Ability: Model Ethic and Civic Responsibility*
- Students will collect and identify a variety of plant species in an area(s) of choice.
 - Supports Core Ability: Work Cooperatively*