

ASSOCIATE IN SCIENCE - LANDSCAPE & HORTICULTURE TECHNOLOGY (CLOSING FALL 2025)

Previous Degree Required: HS Diploma

Eligible for Financial Aid: Yes

Delivery Method(s): On-Campus, Hybrid

Location(s): Melbourne

Additional Limited Access Application Process Required: No

Program Testing Requirements: Assessment in Reading, Writing, and Math

Academic Community: STEM

Program Code: LHASHORT

Classification of Instructional Programs (CIP) Code: 01.0605

Florida Department of Education CIP Code: '1101060502

The A.S. Landscape & Horticulture Technology degree program has the following associated College Credit Certificates (CCCs):

- [Landscape and Horticulture Professional CCC](#)
- [Landscape and Horticulture Specialist CCC](#)
- [Landscape and Horticulture Technician CCC](#)

The Landscape and Horticulture Technology Associate in Science degree at Eastern Florida State College is a high-demand degree that prepares students for employment in a wide range of horticulture-related positions, such as Landscape Architect, Soil and Plant Scientist, Conservation Scientist, Environmental Scientist/Specialist, Biological Technician, Forest and Conservation Technician and Landscaping; Lawn Service, Golf Course Turf Management and Groundskeeping Supervisor.

This 60-credit program is considered open-access with applications through standard admissions process. Students choose to specialize in either landscape or horticulture technology, with core degree courses augmented by custom track courses.

Students are encouraged to meet with an advisor while planning their program courses and choosing their horticulture or landscape specialization.

For student success and safety, it is highly recommended that applicants to this program are able to meet the following:

- Students are able to lift 25lbs or greater.
- Students are able to read and understand application labels, warning labels, disposal labels, and instruction labels for various horticulture chemicals.
- Students are able to identify different color codes.
- Students are able to access the plants, ground, and soil.
- Students are able to use various horticulture tools.
- Students are able to work outside in various weather conditions and for extended periods of time.

Refer to the [Associate in Science Degree Programs](#) overview to find information about admission, graduation, general education and other requirements. Students who need technical electives will work with a

bachelor's advisor to determine the courses best suited to their plan of study.

Visit the [program page](#) for more information.

Specializations: Several EFSC Associate in Science (A.S.) and Bachelor degrees have multiple associated specializations. Students must select one specialization, and will receive the specific A.S./BAS degree only one time. While students may take courses from more than one specialization, the specific degree will be awarded only once.

Program 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 Core Requirement	3
	Social/Behavioral Science/Core-Civic Literacy 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
Specialization		
	Select one specialization from below:	13
	Horticulture Technology Specialization	
	Landscape Technology Specialization	
Technical Electives		
	Select six Technical Elective credits from the appropriate specialization, listed below.	6
Total Credit Hours		60

- Satisfy the [civic literacy competency](#) requirement

Technical Electives

Courses in the specializations 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.

Code	Title	Credit Hours
Horticulture Technology Technical Electives		
ENT 2411	Small Business Accounting and Finance	3
ENYC 2041	Practical Beekeeping	3
ETDC 2320	AutoCAD Fundamentals	4
HOS 2932	Selected Topics in Horticulture and Landscape Technology	3
HOSC 2005	Principles of Hydroponics	3
LDE 2301	Irrigation Design and Maintenance	3

MAT 1033	Intermediate Algebra	3
ORHC 2251	Nursery Operations and Management	3
ORHC 2260	Greenhouse Operations and Management	3

Landscape Technology Technical Electives

ENT 2411	Small Business Accounting and Finance	3
ENYC 2041	Practical Beekeeping	3
ETDC 2320	AutoCAD Fundamentals	4
HOS 2932	Selected Topics in Horticulture and Landscape Technology	3
LDE 2110	Principles of Landscape Design	3
MAT 1033	Intermediate Algebra	3
ORHC 1220	Turf and Landscape Maintenance	3
ORHC 2251	Nursery Operations and Management	3
PLSC 2220	Plant Propagation	3

Learning Outcomes

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).

1. Develop a pest control plan for a select species using various control methods.
 - *Supports Core Ability: Communicate Effectively*
2. Manipulate plant growth and growth regulators on select plant species.
 - *Supports Core Ability: Think Critically and Solve Problems*
3. Characterize different biotic and abiotic stressors for a given plant species.
 - *Supports Core Ability: Process Information*
4. 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*
5. Students will collect and identify a variety of plant species in an area(s) of choice.
 - *Supports Core Ability: Work Cooperatively*