

# LANDSCAPE AND HORTICULTURE PROFESSIONAL, COLLEGE CREDIT CERTIFICATE

**Program Code:** LPCC  
**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:**  
**Classification of Instructional Programs (CIP) Code:** 01.0605  
**Florida Department of Education CIP Code:** 0101060504

This certificate is associated with the [A.S. Landscape and Horticulture Technology](#) and offers a sequence of courses that provide coherent and rigorous content aligned with challenging academic standards and relevant technical knowledge and skills for a career in the Agriculture, Food and Natural Resources career cluster. The program provides technical skill proficiency, competency-based applied learning that contributes to work attitudes, general employability skills, technical skills, occupation-specific skills, and knowledge of all aspects of the landscape and horticulture sector within the Agriculture, Food and Natural Resources career cluster. The program can also be used as a starting point by students looking to pursue a traditional four-year degree in agriculture, food and natural resources.

The content includes, but is not limited to:

- instruction in plant physiology and growth
- plant nutrition and fertilization
- plant classification and identification
- pest control
- pruning and shaping plants
- maintenance of landscape plants
- employability and human relations skills

This program also prepares for certification and licensure as an horticulture professional. [Visit the program page for more details and how to apply.](#)

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.

## Certificate Requirements

Code	Title	Credit Hours
<b>Major Courses</b>		
ECO 2013	Principles of Economics 1 (Macroeconomics)	3
HOSC 2010	Horticulture 1	3
HOSC 2011	Horticulture 2	3
IPMC 2323	Soils and Application of Pesticides and Fertilizers	3
ORHC 1220	Turf and Landscape Maintenance	3
ORHC 2251	Nursery Operations and Management	3
<b>Total Credit Hours</b>		<b>18</b>

## 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).

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*