

# PLANT SCIENCE AND LANDSCAPE TECHNOLOGY (LANDSCAPE TECHNICIAN), CERTIFICATE OF PROFICIENCY



The one-year certificate program offers basic landscaping skills to persons who are seeking a career in landscape contracting but who may not desire a full degree. The certificate is also helpful to those already employed in the landscape industry who have a desire to upgrade their knowledge and skills in order to be a more valuable employee. The Landscape Technician Certificate of Proficiency features course work in such horticulture basics as botany, plant identification, plant diseases and insect pests, soil technology and landscape practices.

**Program contact:** Learn more

**This certificate will be automatically awarded when the certificate requirements are completed. If you do not want to receive the certificate, please notify the Office of the Registrar at RegistrarOffice@tri-c.edu.**

Learn more about how certificate credits apply to the related degree.

## Related Degrees and Certificates

- Garden Center, Short-Term Certificate
- Landscape Contracting, Short-Term Certificate
- Landscape Design, Short-Term Certificate
- Landscape Horticulture, Short-Term Certificate
- Plant and Pest Identification, Short-Term Certificate
- Plant Science and Landscape Technology, Associate of Applied Science
- Tree Care, Short-Term Certificate

## Program Admission Requirements

- High School Diploma/GED not required, but highly recommended.
- ENG-0995 Applied College Literacies or appropriate score on English Placement Test.
- Eligibility for MATH-1190 Algebraic and Quantitative Reasoning or MATH-1410 Elementary Probability and Statistics I or higher

## Other Information

- Submit all college transcripts to Office of the Registrar.

## Program Learning Outcomes

This program is designed to prepare students to demonstrate the following learning outcomes:

1. Ensure that a contract is properly executed by actively listening, understanding, and implementing instructions and effectively communicating them to other members of the crew while providing positive motivation by displaying an impeccable work ethic and providing positive reinforcement to instill ownership of the project.
2. Effectively maintain residential, commercial, industrial, multi-family, institutional, park and public properties lawn, bed and tree installations by properly weeding, deep edging, mulching, pruning, mowing, watering and fertilizing.
3. Apply the green industry standards of quality through the practice of proper planting techniques and knowledge of landscape plants, weeds, and the culture and care of landscape plants.
4. Demonstrate safe operation and maintenance of small and large-engine equipment used in landscape installations and maintenance.

## Suggested Semester Sequence

First Semester		Credit Hours
HLTH-1230	Standard First Aid and Personal Safety	1
Select one of the following: <sup>1</sup>		3
MATH-1190	Algebraic and Quantitative Reasoning	
MATH-1410	Elementary Probability and Statistics I (or Any Approved Ohio Transfer 36 Mathematics course) <sup>2</sup>	
PST-1301	Horticultural Botany	3
PST-1311	Deciduous Woody Landscape Plants	3
PST-1411	Equipment Operations and Safety	2
Select one of the following:		3
ENG-1010	College Composition I	
ENG-101H	Honors College Composition I	
<b>Credit Hours</b>		<b>15</b>
Second Semester		
PST-1321	Evergreens, Groundcovers, and Herbaceous Landscape Plants	3
PST-1420	Landscape Practices	3
PST-1600	Irrigation and Drainage	2
PST-1441	Introduction to Landscape Design	3
BADM-1301	Small Business Management	3
PST-XXXX:Plant Science Elective (see below list)		3
PST-1380	Introduction to Tree Care	
PST-2370	Introduction to Turfgrass	
PST-1510	Landscape Contracting	
<b>Credit Hours</b>		<b>17</b>
<b>Total Credit Hours</b>		<b>32</b>

<sup>1</sup> MATH-1240 taken prior to Fall 2024 will be accepted to meet mathematics requirement for this program.

<sup>2</sup> MATH-1410 Elementary Probability and Statistics I recommended for transfer.

**Electives**

Code	Title	Credit Hours
PST-2370	Introduction to Turfgrass	2
PST-1380	Introduction to Tree Care	2

MATH-1140, MATH-1141, MATH-1200, MATH-1270, and MATH-1280 can no longer count towards fulfilling the college-level mathematics requirement. These courses were re-classified as developmental mathematics by the state of Ohio in 2016. Tri-C established a 5-year transitioning window for students who had completed these courses prior to 2016 to apply them towards meeting graduation requirements, which expired in Summer 2021. It is highly recommended to see a counselor to determine the appropriate math required for your current major.