

Program Number 31-001-1 Technical Diploma • Two Terms

ABOUT THE PROGRAM

Horticulture technicians can make a living in a wide variety of ways. You may work in the disciplines of plant propagation and production for a greenhouse or tree nursery - nurturing plants to be used in landscaping, food production, or sold in retail garden centers. You may also work on landscape maintenance or landscape construction crews for landscape contractors, lawn care service companies, botanical gardens, municipal park departments, golf courses, and natural resource management agencies. Work duties are typically out of doors and very hands-on. The work of a horticulture technician is truly a "green" career.

PROGRAM OUTCOMES

- Analyze growing media.
- Diagnose plant health.
- Communicate as a horticulture professional.
- Apply design principles.
- Provide horticulture maintenance.
- Apply the principles of plant science.
- Propagate and grow horticulture plants.
- Justify the selection of appropriate plants.
- Determine nutritional requirements of turf grasses and ornamentals.
- Analyze soil and its influence on plant life.
- Implement a landscape construction design plan.
- Use carpentry and masonry hand and power tools.
- Safely operate landscape equipment.
- Install irrigation equipment.
- Diagnose and treat pest problems on ornamental plants.
- Prepare for Wisconsin Pesticide Certification.

CAREER AND EDUCATION ADVANCEMENT OPPORTUNITIES

LTC credits transfer to over 30 universities. For more information visit gotoltc.edu/future-students/transfer.

ADMISSIONS AND FIRST SEMESTER ENROLLMENT STEPS

- Submit online application.
- Complete the online Student Success Questionnaire.
- Schedule a Program Counseling Session with your assigned program counselor to plan your first semester schedule, review your entire plan of study, discuss the results of the Student Success Questionnaire.

**Submit transcripts and test scores (optional, highly recommended): College transcripts, along with high school transcripts and test scores from within the last five years, used for course registration. Official transcripts needed for transferring college credit(s) and for financial aid purposes.*

APPROXIMATE COSTS

- \$141 per credit tuition (WI resident) plus \$8.46 per credit student activity fee. Material fee varies depending on course. Other fees vary by program. Visit gotoltc.edu/financial-aid/tuition-and-fees for details.

FINANCIAL AID

This program is eligible for financial aid. Visit gotoltc.edu/Financial-Aid or talk with your Admissions Advisor about how to apply for aid.

CREDENTIALS AVAILABLE TO PROGRAM STUDENTS

- WI Commercial Pesticide Applicator - Turf & Landscape
- WI Commercial Pesticide Applicator - Greenhouse & Nursery
- BAHCO Pruner
- BAHCO Lopper
- NALP Horticulture Technician Exam Preparation

SPECIAL NOTES

Upon completion of the Horticulture Technician program, students are given the additional option of completing an associate degree to pursue their chosen area of specialization (below). Internships are included for each of these specialities.

- Horticulture & Small Farm Management Associate Degree (ITS)
- Horticulture Business Management Associate Degree (ITS)
- Landscape Design Associate Degree (ITS)

CONTACT

LTC Admissions Advisor
 920.693.1162 • Admissions@gotoltc.edu

Catalog No.	Class Title	Credit(s)
Term 1		
10001110	Horticulture Introduction	3
10001112	Plants in Summer and Fall	3
10001115	Culinary Plants - Fall	1
10001148	Plant Communities of Wisconsin	3
10001172	Landscape Maintenance	3
10001113	Landscape Installation	3
		16
Term 2		
10001132	Plants in Winter and Spring	3
10001116	Culinary Plants - Spring	1
10001120	Greenhouse and Nursery Production	3
10001121	Landscape Design Studio	3
10001123	Site and Soil Analysis	3
10001149	Sustainable Landscape & Water Mgmt	3
		16
		TOTAL 32

Curriculum and Program Acceptance requirements are subject to change. Program start dates vary; check with your advisor for details. The tuition and fees are approximate based on 2020-2021 rates and are subject to change prior to the start of the academic year.

CULINARY PLANTS - FALL...introduces students to fall culinary plant production through the maintenance of summer vegetables in the field and raised beds, and through fall plantings. Garden cleanup, soil enhancing practices, and hoop house production will be explored; planting of winter crops will be conducted. Season-extension techniques, vegetable-storage techniques, and harvesting crops for winter forcing will be practiced with familiar and exotic crops.

CULINARY PLANTS - SPRING...introduces students to winter vegetable production, planning for the summer season, and spring work in the greenhouse, garden, and hoop house. Students will produce crops for harvest in the heated greenhouse, force winter vegetables, develop a planting plan, harvest vegetables from the unheated hoop house, and learn about different production methods (organic versus sustainable versus conventional).

GREENHOUSE AND NURSERY PRODUCTION...provides the student with the knowledge and skills for horticultural production. Students implement efficient, cost-effective, and sustainable methods of horticultural production in the greenhouse, in a variety of other horticulture-related structures, as well as in field scenarios.

HORTICULTURE INTRODUCTION...engages the learner through instructor-led interactive research and presentation while exploring plant growth, development, and ecology; plant classification; plant health care; horticultural crops and production; the horticulture industry and related careers; and principles of design and design implementation.

LANDSCAPE DESIGN STUDIO...provides the learner with strategies to develop and apply a structured approach to designing landscape space. Fundamentals of the design process are applied including basic site analysis, plan development and detailing, proper plant selection, landscape graphic conventions, and client interactions. Both manual drafting and CAD software are used for design communications. Property lines, topography, site planning, hardscapes, planting plans, and section view graphics are covered.

LANDSCAPE INSTALLATION...investigates and implements landscape construction techniques including the proper and safe use of landscape tools, plan reading and interpretation, site management, proper planting, and the installation of landscape features. Potential projects include landscape plantings, mixed material patios, retaining walls, water features, sustainable landscape elements, rain gardens, roof gardens, wooden structures, etc. The course will also introduce basic estimating and contracting standards.

LANDSCAPE MAINTENANCE...assists the learner in identification and implementation of appropriate cultural practices while dealing with challenges in the landscape, including pruning techniques, insect/disease/abiotic problems; pesticides; turf issues; and resolving situations in the field. Course includes production, installation, maintenance, and harvest of edible and ornamental plants.

PLANT COMMUNITIES OF WISCONSIN...enables the student to experience the diversity of the native plant communities throughout the Lakeshore region of Wisconsin and beyond. This course will involve extensive plant and plant community identification and analysis in the field, as well as native plant community design, restoration and preservation best practices.

PLANTS IN SUMMER AND FALL...explores ornamental and weedy, woody, and herbaceous plant identification, biology and culture/management through outdoor and indoor applied activities. The course activities focus on plants encountered in interior and outdoor landscaping as well as ornamental and food production in eastern Wisconsin and the Midwest. This is the fall and summer focused course of a two-course series that complements Plants in Winter and Spring.

PLANTS IN WINTER AND SPRING...explores ornamental and weedy, woody, and herbaceous plant identification, biology and culture/management through outdoor and indoor applied activities. The course activities focus on plants encountered in interior and outdoor landscaping as well as ornamental and food production in eastern Wisconsin and the Midwest. This is the winter and spring focused course of a two-course series that complements Plants in Summer and Fall.

SITE AND SOIL ANALYSIS...guides students through site analysis with evaluation of physical, biological, water, and cultural resources to determine landscape development potentials and sensitivities. Analyzes interactions of plants with soil dynamics and examines physical, chemical, biological and management characteristics of both healthy and resilient as well as degraded but renewable soils.

SUSTAINABLE LANDSCAPE AND WATER MANAGEMENT...approaches sustainable landscape management from a practical goal-based outlook and implements management and supervisory strategies for "triple bottom-line" sustainability (Environment, Economic, and Social). Special attention will be paid to green infrastructure and integrated management practices for Sustainable Landscapes and Stormwater Management. Project based management opportunities will enable students to practice and employ best management practices.