

## 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.

### CAREER AND EDUCATION ADVANCEMENT OPPORTUNITIES

LTC credits transfer to over 30 universities. For more information visit [gotoltc.edu/future-students/transfer](http://gotoltc.edu/future-students/transfer).

### ADMISSION TO DO'S

- Work with Career Coach to:
  - Submit application and \$30 fee.
  - Submit official transcripts (high school and other colleges).

### PROGRAM TO DO'S

- Work with Academic Advisor to:
  - Complete an assessment for placement (Accuplacer or ACT).
  - Complete Functional Abilities Statement of Understanding form.
  - Meet to plan your first semester schedule, review your entire plan of study, discuss placement assessment results and complete Program To Do's.

### APPROXIMATE COSTS

- \$136.50 per credit tuition (WI resident) plus \$7.38 per credit student activity fee. \$10 per credit online fee. Material fee varies depending on course. Other fees vary by program. Visit [gotoltc.edu/financial-aid/tuition-and-fees](http://gotoltc.edu/financial-aid/tuition-and-fees) for details.

### FINANCIAL AID

This program is eligible for financial aid. Visit [gotoltc.edu/Financial-Aid](http://gotoltc.edu/Financial-Aid) or talk with your Career Coach about how to apply for aid.

### CONTACT

LTC Career Coach  
920.693.1162 • [CareerCoach@gotoltc.edu](mailto:CareerCoach@gotoltc.edu)

Catalog No.	Class Title	Credit(s)
<b>Term 1</b>		
10001110	Horticulture Introduction	3
10001153	Botany and Soil Science	3
10001112	Plants 1	3
10001113	Landscape Installation 1	3
10801196	Oral/Interpersonal Communications	3
		<b>15</b>
<b>Term 2</b>		
10001120	Greenhouse & Nursery Production	3
10001121	Landscape Design Studio	3
10001132	Plants 2	3
10001172	Landscape Maintenance	3
10806112	Principles of Sustainability	3
		<b>15</b>
		<b>TOTAL 30</b>

*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 2019-2020 rates and are subject to change prior to the start of the academic year.*



**BOTANY AND SOIL SCIENCE**...introduces the language and nature of botany and biology and makes them relevant to horticulture and landscaping. It also addresses the interactions of healthy plants and soils and examines the physical, chemical, biological, and management characteristics of soils. COREQUISITE: 10001110 Horticulture-Intro

**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. PREREQUISITES: 10001153 Botany & Soil Science and 10001110 Horticulture Intro

**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 1**...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.

**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. PREREQUISITES: 10001110 Horticulture Introduction and 10001153 Botany and Soil Science

**ORAL/INTERPERSONAL COMMUNICATIONS**...provides students with the skills to develop speaking, verbal and nonverbal communication, and listening skills through individual speeches, group activities, and other projects. COREQUISITE: 10838105 Intro Reading and Study Skills or Reading placement assessment equivalent

**PLANTS 1**...introduces ornamental and weedy, woody, and herbaceous plant identification and culture/management through outdoor and indoor applied activities. The course activities focus on plants encountered in landscaping and production in eastern Wisconsin and the Midwest. This is the first course of a two-course series that continues as Plants 2.

**PLANTS 2**...provides the learner with the opportunity to conduct and present research through outdoor- and greenhouse-applied activities on ornamental, woody, and herbaceous plants as well as on edible fruits, vegetables, and herbs. Utilizing the environmental campus as well as other field-type experiences, emphasis on plant identification and culture/management, as undertaken in Plants 1, is continued. PREREQUISITE: 10001112 Plants 1

**PRINCIPLES OF SUSTAINABILITY**...prepares students to develop sustainable literacy, analyze interconnections among physical and biological sciences and environmental systems, summarize effects of sustainability on health and well-being, analyze connections among social, economic, and environmental systems, employ energy conservation strategies to reduce use of fossil fuels, investigate alternative energy options, evaluate options to current waste disposal/recycling in the U.S., and analyze approaches used by your community. COREQUISITE: 10838105 Intro Reading and Study Skills or Reading placement assessment equivalent