

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, civil engineering firms, and natural resource management agencies. Work duties are typically out of doors and very hands-on. With time and experience, management and consulting opportunities within the field are possible. The work of a horticulture technician is truly a “green” career.

PROGRAM OUTCOMES

- Communicate within the horticulture industry.
- Propagate and grow horticulture plants.
- Justify the selection of the appropriate plant(s).
- 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.
- Receive training for Wisconsin Pesticide Certification exam.

ADMISSIONS STEPS

- Work with Admissions Specialist to:
 - Submit application and \$30 fee.
 - Complete an assessment for placement (Accuplacer or ACT).
 - Submit official transcripts (high school and other colleges).
- Meet with program advisor/counselor to discuss program details.

APPROXIMATE COSTS

- \$132 per credit (resident)
- \$198 per credit (out-of-state resident)
- Other fees vary by program (books, supplies, materials, tools, uniforms, health-related exams, etc.) Visit gotoltc.edu/financial-aid/tuition-and-fees for details.

PLACEMENT SCORES

Accuplacer/ACT scores will be used to develop your educational plan. Contact your program advisor/counselor for details.

CAREER & EDUCATION ADVANCEMENT OPPORTUNITIES

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

CONTACT

Chou Yang, Admissions Specialist
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Catalog No.	Class Title	Credit(s)
Term 1		
10001109	Landscape Installation 2	2
10001110	Horticulture Introduction	3
10001114	Computer Applications for Technicians	1
10001127	Landscape Design Studio Introduction	1
10001153	Botany and Soil Science	3
10001159	Plants 1	2
10001180	Landscape Installation 1	2
10801196	Oral/Interpersonal Communications	3
		17
Term 2		
10001128	Computer Aided Design for Sustainability	2
10001130	Greenhouse & Nursery Production	3
10001158	Plants 2	2
10001170	Facilities Maintenance/Installation	1
10001172	Landscape Maintenance	3
10804123	Math with Business Applications	3
10809198	Introduction to Psychology	3
		17
		TOTAL 34



BOTANY AND SOIL SCIENCE... addresses the unique interactions of healthy plants & soils; examines the physical, chemical, organic & biological characteristics of soils and how they impact the structure & functions of plants. COREQUISITE: 10001110 Horticulture-Introduction

COMPUTER AIDED DESIGN FOR SUSTAINABILITY... will use computer and computer aided design software as tools for design communication; learners will be introduced to the fundamental components of CAD in landscape design. Property lines, topography, site planning, hardscapes, planting plans, and section view graphics will be covered. PREREQUISITES: 10001114 Computer Applications for Technicians and 10001127 Landscape Design Studio Intro

COMPUTER APPLICATIONS FOR TECHNICIANS... provides the learner with basics of the current Windows operating system, terminology, file management, Microsoft Word, Microsoft Excel, and horticulture engineering applications utilizing appropriate computer drafting software.

FACILITIES MAINTENANCE/INSTALLATION... prepares the learner to use hand tools and power tools in basic applications of carpentry, plumbing, and basic electricity. CONDITION: 310011 Horticulture Technician or 100014 Sustainable Landscape Horticulture program requirements met

GREENHOUSE AND NURSERY PRODUCTION... provides the student with the skills to analyze and implement efficient, cost-effective, and sustainable methods of horticultural production in a variety of structures as well as field scenarios. COREQUISITES: 10001153 Botany and Soil Science

HORTICULTURE INTRODUCTION... introduces the learner to the horticulture industry, plant culture, identification, propagation, and physiology. Course will also explore the horticulture industry in regard to fruits, vegetables, ornamentals, greenhouse systems, landscape techniques, home gardens, and turf.

INTRODUCTION TO PSYCHOLOGY... introduces students to a survey of the multiple aspects of human behavior. It involves a survey of the theoretical foundations of human functioning in such areas as learning, motivation, emotions, personality, deviance and pathology, physiological factors, and social influences. It directs the student to an insightful understanding of the complexities of human relationships in personal, social, and vocational settings. COREQUISITE: 10838105 Intro Reading and Study Skills or equivalent

LANDSCAPE DESIGN STUDIO INTRODUCTION... prepares the learner to graphically describe objects without CAD Systems or landscape drawing aids. Fundamental components of design process; lettering, geographic construction, orthographic projection, isometric sketching, section views, auxiliary views and dimensioning are covered.

LANDSCAPE INSTALLATION 1... investigates techniques used in landscape construction practices. These include the use of specific landscape tools, plan implementation methods, preliminary site survey methods, proper planting, equipment operations & installations of basic landscape features. CONDITION: 310011 Horticulture Technician or 100014 Sustainable Landscape Horticulture program requirements met

LANDSCAPE INSTALLATION 2... builds upon landscape construction methods learned in Introduction to Landscape Installation. Possible projects include mixed material patios, retaining walls, water features, sustainable landscape elements, rain gardens, roof gardens, wooden structures, etc. COREQUISITE: 10001180 Landscape Installation 1

LANDSCAPE MAINTENANCE... assists learner in identifying problems and cultural challenges in the landscape; pruning techniques, insect/disease problems, weed identification; soil fertility; resolving situations in the field. Course will include production, maintenance, and harvest of edible and ornamental plants. PREREQUISITES: 10001110 Horticulture Introduction and COREQUISITE: 10001153 Botany and Soil Science

MATH WITH BUSINESS APPLICATIONS... covers real numbers, basic operations, linear equations, proportions with one variable, percents, simple interest, compound interest, annuity, apply math concepts to the purchasing/buying process, apply math concepts to the selling process, and basic statistics with business/consumer applications. PREREQUISITE: 10834109 Pre-Algebra or equivalent and COREQUISITE: 10838105 Intro Reading and Study Skills or equivalent

ORAL/INTERPERSONAL COMMUNICATION... 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 equivalent

PLANTS 1... prepares the learner to use flowers/foliage effectively in the landscape including annuals/perennials/roses. Care of each flower emphasizing selection and tips to best utilize each flower and ground-cover/vines is included. CONDITION: 310011 Horticulture Technician or 100014 Sustainable Landscape Horticulture program requirements met and 10001159 Plants 1

PLANTS 2... provides the learner with the physiology, culture, identification, and use of primarily temperate woody plant materials appropriate for landscapes in northeastern Wisconsin. PREREQUISITE: 10001159 Plants 1 and CONDITION: 310011 Horticulture Technician or 100014 Sustainable Landscape Horticulture program requirements met