



Horticulture Technician

Program No: 31-001-1

Technical Diploma

Degree Completion Time: Two Terms

In general, an academic year consists of two terms; however, degree completion time may vary based on student scheduling needs and class availability.

2012-2013

Catalog No.	Class Title	Credit(s)	
Term 1			
10001110	Horticulture Introduction	3.00	
10001122	Fundamentals of Plant Nutrition	1.00	
10001158	Plants-Woody Ornamental	3.00	
10001159	Flowers-Herbaceous	3.00	
10001170	Facilities Maintenance/Installation	1.00	
10001180	Landscape Installation-Introduction	2.00	
10606114	Computer Applications for Technicians	1.00	
10606127	Landscape Design Studio Introduction	1.00	
10801196	Oral/Interpersonal Communications	3.00	
	Total	18.00	
Term 2			
10001109	Landscape Installation-Advanced	2.00	
10001153	Plant and Soil Science	3.00	
10001154	Turf Management	3.00	
10001172	Landscape Maintenance	2.00	
10606128	Landscape Design Technology OR 10001174 Horticulture Internship (2 credits) OR 10001176 Horticulture Occupational Experience (2 Credits)	2.00	
10804107	College Mathematics	3.00	
10809198	Intro to Psychology	3.00	
	Total	18.00	
	Program Total	36.00	
Note:	Program start dates vary; check with your counselor for details.		
	Curriculum and program acceptance requirements are subject to change.		

About the Career

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.

Careers

Many exciting career options await horticulture technician graduates. You may decide to enter the work world immediately, or you may choose to continue your education by completing your associate degree through an articulation agreement with a partner school. Entry-level positions available to you may include:

- Nursery and Greenhouse Assistant
- Landscape Installer
- Landscape Maintenance Technician
- Gardening Services

Admission Steps

- Application
- Application Fee
- Entrance Assessment Scores
- Transcripts
- Program Advising Session
- Functional Abilities Statement of Understanding Form

Program Outcomes

You will learn to:

- 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.

Approximate Costs

- \$126 per credit (resident)
- \$182 per credit (out-of-state resident)
- Other fees vary by program (books, supplies, materials, tools, uniforms, health-related exams, etc.)

Functional Abilities

Functional abilities are the basic duties that a student must be able to perform with or without reasonable accommodations. At the postsecondary level, students must meet these requirements, and they cannot be modified.

Placement Scores

Accuplacer/ACT scores will be used to develop your educational plan. Please contact your program counselor/advisor at 920-693-1109.

Transfer agreements are available with the following institutions:

Capella University
Lakeland College
Silver Lake College
UW-Stout

IMPORTANT: For more information on these agreements, visit gotoltc.edu/transfer.

10001109 Landscape Installation Advanced

...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.

PREREQUISITE: 10001180 Landscape Installation Introduction

10001110 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.

10001122 Fundamentals of Plant Nutrition

...prepares the learner with the necessary knowledge and skills in relationship to the fundamentals of plant nutrition, identification and analysis of the nutritional needs of plants; covers the selection of appropriate materials, application rates, and methods.

COREQUISITE: 10001110 Horticulture Introduction

10001153 Plant 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

10001154 Turf Management

...will identify various turf grasses and will examine natural low-maintenance turf, residential lawns and high intensity applications (i.e. golf courses, athletic fields).

PREREQUISITE: 10001110 Horticulture Introduction

10001158 Plants-Woody Ornamentals

...provides the learner with the physiology, culture, identification, and use of primarily temperate woody plant materials appropriate for landscapes in northeastern Wisconsin.

10001159 Flowers-Herbaceous

...prepares the learner to use flowers/foilage 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.

10001172 Landscape Maintenance

...assists learner in identifying problems and cultural challenges in the landscape; pruning techniques, insect/disease problems, weed identification; soil fertility; resolve situations in the field.

PREREQUISITES: 10001110 Horticulture Introduction, 10001122 Fundamentals of Plant Nutrition and COREQUISITE: 10001153 Plant and Soil Science

10001180 Landscape Installation Introduction

...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.

10462170 Facilities Maintenance/Installation

...prepares the learner to use hand and power tools. Introduces basic applications in such areas as carpentry, plumbing, basic electricity, small engines, and concrete.

10606114 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.

10606127 Landscape Design Studio Introduction

...teaches the learner to graphically describes 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.

10606128 Landscape Design Technology

...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: 10606114 Computer Applications for Technicians and 10606127 Landscape Design Studio Intro

10801196 Oral/Interpersonal Comm

...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 CONDITION: Reading accuplacer minimum score of 74 or equivalent

10804107 College Mathematics

...is designed to review and develop fundamental concepts of mathematics pertinent to the areas of: 1) arithmetic and algebra; 2) geometry and trigonometry; and 3) probability and statistics. Special emphasis is placed on problem solving, critical thinking and logical reasoning, making connections, and using calculators.

PREREQUISITE: Accuplacer Math minimum score of 79 or Equivalent or 10834109 Pre-Algebra and COREQUISITE: 10838105 Intro Reading and Study Skills or CONDITION: Reading accuplacer minimum score of 74 or equivalent

10809198 Intro 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 Accuplacer Reading score of 74 or equivalent