

ABOUT THE PROGRAM

Landscape design is an excellent career choice for people who are creative and enjoy plants and outdoor environments. Design skills are also an excellent complement to work as a landscape contractor, landscape-industry business owner, in horticultural plant marketing and sales, and in sustainable landscape creation and restoration. The green industry is always in need of capable landscape designers. The Landscape Design ITS program is designed to give students a strong background both in the principles of landscape design and creative expressions in the landscape, as well as how to communicate design ideas visually. The material pallet of landscape design is thoroughly explored. This includes how plants grow and stay healthy and how plants are best used in the landscape for visual, practical and ecological effect. This also includes how material construction and properties of built elements in the landscape create beautiful spaces for practical use with water features, patios, decks, walkways, walls, topographic changes, fencing, structures, and formal and naturalized plantings.

PROGRAM OUTCOMES

- Create salable, buildable and billable landscape designs.
- Understand the correct construction and design of landscape structures.
- Communicate as a horticulture professional.
- Analyze growing media.
- Diagnose plant health.
- Apply the principles of plant science.
- Apply design principles.
- Expand your ability to propose creative, practical, and sustainable solutions in the landscape.

CAREER AND EDUCATION ADVANCEMENT OPPORTUNITIES

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

ADMISSION AND PROGRAM ENROLLMENT STEPS

- Submit online application.
- Verify that your official transcripts (high school and other colleges) are on file from your Horticulture Technician application.
- Complete the online Student Success Questionnaire.
- Ensure enrolled in or graduate of Horticulture Technician program.
- Schedule a Program Advising Session with your assigned advisor to plan your first semester schedule, review your entire plan of study, discuss the results of the Student Success Questionnaire.

APPROXIMATE COSTS

- \$136.50 per credit tuition (WI resident) plus \$8.10 per credit student activity fee. \$10 per credit online or hybrid 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 Advisor about how to apply for aid.

SPECIAL NOTE

Terms 1 and 2 of this curriculum completes the Horticulture Technician technical diploma. Terms 3 and 4 include select courses from other curriculums that provide knowledge and skills for this emphasis. Terms 3 and 4 have the option for several online courses as well as in-person options.

CONTACT

Don Geiger, Program Advisor
920.693.1378 • donald.geiger@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 & Nursery Production	3
10001121	Landscape Design Studio	3
10001123	Site & Soil Analysis	3
10001149	Sustainable Landscape & Water Mgmt	3
		16
Term 3		
10001174	Horticulture Internship 1	1
10606101	Basic Mechanical Drafting	2
10606103	Intermediate Mechanical Drafting	2
10201101	Design Fundamentals	3
10201108	Photoshop	3
10801196	Oral/Interpersonal Communications	3
		14
Term 4		
10001175	Horticulture Internship 2	1
10201115	Digital Photography	2
10804123	Math with Business Applications OR 10806112 Principles of Sustainability	3
10809195	Economics OR 10809196 Introduction to Sociology	3
10809198	Introduction to Psychology	3
10801195	Written Communications	3
		15
		TOTAL 61

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.



BASIC MECHANICAL DRAFTING USING AUTOCAD...provides the learner with the skills to utilize AutoCAD's drawing editor, viewing commands; apply coordinate entry methods, AutoCAD file commands; utilize draw commands, modify commands; create and edit text, prints & plots; apply geometric construction to solve a drawing problem; utilize selection sets, duplicating modify commands, layers & objects properties, blocks; apply principles of orthographic and multi view projection.

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).

DESIGN FUNDAMENTALS...introduces the learner to the elements of art (line, texture, color, shape and value.) Students will investigate how these elements can be manipulated using various principles of design to achieve different effects. Basic color theory, historic eras, and emerging trends will be covered.

DIGITAL PHOTOGRAPHY...will help the individual understand photographic principles and file manipulation. Through in-class discussions, audio visuals, camera demonstrations, and in-the-field shooting sessions, the individual will learn shooting and lighting techniques designed to capture a better image. Printing, cropping, retouching and file management will also be covered.

ECONOMICS...provides participant with an overview of how a market-oriented economic system operates, and it surveys the factors which influence national economic policy. Basic concepts and analyses are illustrated by reference to a variety of contemporary problems and public policy issues. Concepts include scarcity, resources, alternative economic systems. growth, supply and demand, monetary and fiscal policy, inflation, unemployment and global economic issues. COREQ: 10838105 Intro Reading & Study Skills or Reading placement assessment equivalent or CONDITION: 610062 Agribusiness/Fin Basic prog adms met

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: 10001112 Plants in Summer & Fall and 10001110 Horticulture Intro

HORTICULTURE INTERNSHIP 1...Provides broad variety of specific occupational experiences in the horticultural industry. Students work with faculty to develop an internship plan and identify, coordinate, and evaluate learning experiences appropriate to the field of study and major career focus of the student. COREQS: 10001130 Greenhouse & Nursery Prod, 10001123 Site and Soil Analysis, & 10001149 Sust Land & Water Mng

HORTICULTURE INTERNSHIP 2...provides a broad variety of specific occupational experiences in the horticultural industry. Students work with faculty to develop an internship plan and identify, coordinate, and evaluate learning experiences appropriate to the field of study and major career focus of the student. COREQUISITES: 10001130 Greenhouse & Nursery Production, 10001123 Site and Soil Analysis, and 10001149 Sustainable Landscape and Water Management

HORTICULTURE INTRODUCTION...engages 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.

INTERMEDIATE MECHANICAL DRAFTING (AUTOCAD)...provides the learner with the skills to create two dimensional section views, create two-dimensional auxiliary views, create prints/plots from paper space, modify and set dimension attributes, apply dimensioning symbols, and apply ASME Y14.5M standards for dimensioning and tolerancing. COREQUISITE: 10606101 Basic Mechanical Drafting

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. PREREQUISITE: Reading placement assessment equivalent or COREQUISITE: 10838105 Intro to Reading and Study Skills

LANDSCAPE DESIGN STUDIO...provides 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 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. PREREQUISITES: 10001110 Horticulture Introduction

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 Math placement assessment equivalent and COREQUISITE: 10838105 Intro Reading and Study Skills or Reading placement assessment equivalent or CONDITION: 610061 Agribusiness/Agronomy Basic program admissions requirements met

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

PHOTOSHOP...introduces the learner to using Adobe Photoshop to edit, enhance, and combine digital images which are prepared for print and web media. Topics will include photo correction, masks, channels, page backgrounds, brushes and optimizes images for web use.

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. PREREQUISITE: 10001112 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. PREREQUISITE: 10001172 Landscape Maintenance and COREQUISITE: 10001121 Landscape Design Studio

WRITTEN COMMUNICATIONS...teaches the writing process, which includes prewriting, drafting, revising, and editing. Through a variety of writing assignments, the student will analyze audience and purpose, research and organize ideas, and format and design documents based on subject matter and content. Keyboarding skills are required for this course. It also develops critical reading and thinking skills through the analysis of a variety of written documents. PREREQUISITE: 10831103 Intro to College Wrtg or Writing placement assessment equivalent and COREQUISITE: 10838105 Intro Rdg & Study Skills or Reading placement assessment equivalent