

DESIGN & TECHNOLOGY

LANDSCAPE HORTICULTURE

Delivery: Daytime Classes
Start: Fall or Spring Semester, Full- or Part-Time
Location: Rosemount Campus

Outcomes

Landscape Horticulture A.A.S. Degree. 72 cr.
 Landscape Horticulture Diploma. 64 cr.
 Landscape Horticulture Professional
 Gardening Certificate. 20 cr.
 Sustainable Food Systems Certificate 27 cr.

Major Description

Landscape/Horticulture

This program provides the technical, plant science and business skills needed to succeed in the Landscape/Horticulture industry. First-year students learn the fundamental science and technical skills related to all fields of Landscape/Horticulture. Second-year students elect to specialize in one of three interest areas:

- Greenhouse Production
- Landscape Construction
- Landscape Design and Sales

Sustainable Food

The Sustainable Food Systems certificate offers a practical, hands-on learning experience in the rapidly growing field of small-scale local and urban agriculture. Students will learn to grow, harvest and market sustainably grown produce. This Certificate is geared toward individuals who have an interest in growing healthy and nutritious food, based on organic, sustainable methods and possess a strong desire to engage both mind and body while working in an outdoor environment.

Work Environment

Landscape/Horticulture professionals design, install and care for residential, commercial and public landscapes. They find work with companies that provide landscape design, construction and maintenance services, as well as garden centers, nurseries, golf courses and municipal parks and public works departments.

Potential Job Titles

- Landscape Designer/Project Manager
- Landscape Construction/Maintenance Supervisor
- Professional Gardener
- Turf & Grounds Manager
- Irrigation Technician
- Plant Production Specialist
- Hardscape Technician

Salary Data

- Average wage: \$15.31/hour
- Top Earners: \$20.30/hour

LANDSCAPE HORTICULTURE - A.A.S. DEGREE

*This is a sample course sequence.
 Please contact your program advisor regarding your academic plans.*

First Year - First Semester

LAHT1010	Soil Science	3
LAHT1100	Woody Plant Materials I	2
LAHT1200	Plant Pests	3
LAHT1300	Landscape Construction I	3
LAHT1502	Safety and Equipment	1
LAHT2605	Intro. to Sustainable Landscape Practices	2
ENGL1150	Composition I	3
Total Credits		17

First Year - Second Semester

LAHT1000	Plant Science	2
LAHT1110	Woody Plant Materials II	2
LAHT1310	Plant Maintenance	2
LAHT1320	Turf Management	3
LAHT1420	Protected Horticulture	3
LAHT1600	Landscape Design I	3
LAHT2970	Internship I	1
LAHT2970	Internship II	1
	General Education Elective (MnTC Goal 3 or 4)	3
Total Credits		20

Second Year - First Semester

LAHT2000	Herbaceous Plant Materials	2
LAHT2510	Landscape Estimating	3
SPEE1020	Interpersonal Communication	3
	Technical Electives*	8
Total Credits		16

Second Year - Second Semester

LAHT2500	Landscape Business Management	4
LAHT2970	Internship III	1
LAHT2970	Internship IV	1
	Technical Electives*	7
ECON1100	Principles of Microeconomics	3
	General Education Elective**	3
Total Credits		19

TOTAL PROGRAM REQUIREMENTS 72

* Select Technical electives from the following subject areas: LAHT

** Select General Education electives from any MnTC goal area.

LANDSCAPE HORTICULTURE - DIPLOMA

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First Year - First Semester

LAHT1010	Soil Science	3
LAHT1100	Woody Plant Materials I	2
LAHT1200	Plant Pests	3
LAHT1300	Landscape Construction I	3
LAHT1502	Safety and Equipment	1
LAHT2605	Intro. to Sustainable Landscape Practices	2
ENGL1150	Composition I	3
Total Credits		17

First Year - Second Semester

LAHT1000	Plant Science	2
LAHT1110	Woody Plant Materials II	2
LAHT1310	Plant Maintenance	2
LAHT1320	Turf Management	3
LAHT1420	Protected Horticulture	3
LAHT1600	Landscape Design I	3
LAHT2970	Internship I	1
LAHT2970	Internship II	1
Total Credits		17

Second Year - First Semester

LAHT2000	Herbaceous Plant Materials	2
LAHT2510	Landscape Estimating	3
SPEE1020	Interpersonal Communication	3
	Technical Electives*	7
Total Credits		15

Second Year - Second Semester

LAHT2500	Landscape Business Management	4
LAHT2970	Internship III	1
LAHT2970	Internship IV	1
	Technical Electives*	6
ECON1100	Principles of Microeconomics	3
Total Credits		15

TOTAL PROGRAM REQUIREMENTS 64

* Select Technical electives from the following subject areas: LAHT

PROFESSIONAL GARDENING - CERTIFICATE

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First Year - First Semester

LAHT1010	Soil Science	3
LAHT1100	Woody Plant Materials I	2
LAHT1200	Plant Pests	3
LAHT2000	Herbaceous Plant Materials	2
LAHT2520	Professional Gardening	2
Total Credits		12

First Year - Second Semester

LAHT1000	Plant Science	2
LAHT1110	Woody Plant Materials II	2
LAHT1420	Protected Horticulture	3
LAHT2970	Professional Gardening Internship	1
Total Credits		8

TOTAL PROGRAM REQUIREMENTS 20

SUSTAINABLE FOOD SYSTEMS - CERTIFICATE

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First Year - First Semester

LAHT1010	Soil Science	3
LAHT1200	Plant Pests	3
LAHT1420	Protected Horticulture	3
LAHT1700	Introduction to Sustainable Food Systems	3
LAHT2605	Introduction to Sustainable Landscape Practices	2
Total Credits		14

First Year - Second Semester

ENTR1170	Introduction to Small Business	2
LAHT1000	Plant Science	2
LAHT1740	Infrastructure for Sustainable Food Systems	2
LAHT2020	Permaculture Based Food Systems Design	2
LAHT2040	Sustainable Food Crop Production	3
LAHT2970	Sustainable Food Systems Internship I	1
LAHT2970	Sustainable Food Systems Internship II	1
Total Credits		13

TOTAL PROGRAM REQUIREMENTS 27

TECHNICAL ELECTIVE COURSES

LAHT1700	Introduction to Sustainable Food Systems	2
LAHT1740	Infrastructure for Sustainable Food Systems	2
LAHT2020	Permaculture Based Food System Design	2
LAHT2040	Sustainable Food Crop Production	3
LAHT2100	Landscape Construction II	3
LAHT2110	Irrigation and Lighting	3
LAHT2120	Landscape Surveying	1
LAHT2135	Site Grading & Drainage for Stormwater Mgmt.	2
LAHT2202	Landscape Design II	4
LAHT2210	Design Problems	3
LAHT2235	SketchUp for Landscape Designers	2
LAHT2315	Greenhouse Operations I	2
LAHT2325	Greenhouse Operations II	3
LAHT2405	Pesticide Applicator Lic. for Landscape Prof.	2
LAHT2520	Professional Gardening	2
LAHT2620	Water Gardening	1



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2014-2015 CATALOG