

Required Courses

Required Discipline Courses (35 credits)

HORT 1103 Ornamental Trees and Shrubs.....	4 cr
HORT 1104 Plant Science	4 cr
HORT 1106 Applied Plant Science Lab	2 cr
HORT 1119 Bedding and Tropical Plants.....	4 cr
HORT 1123 Horticulture Lab I	1 cr
HORT 1124 Horticulture Lab II	1 cr
HORT 1181 Sustainable Landscaping	3 cr
HORT 1197 Spring Greenhouse.....	4 cr
HORT 2116 Integrated Pest Management	4 cr
HORT 2140 Arboriculture	4 cr
HORT 2165 Landscape Design.....	4 cr

GRADUATION REQUIREMENT - 35 CREDITS

Description

The Horticulture Diploma provides comprehensive instruction across key areas of the field, including plant science, greenhouse management, landscape design, and pest control. Students enrolled in the diploma program may also concurrently complete the Greenhouse Certificate.

The curriculum is designed to accommodate a wide range of interests and experiences, reflecting the breadth of career pathways available in horticulture. Instruction is delivered through a combination of classroom learning and experiential activities. Students engage in hands-on practice within the campus greenhouse and outdoor landscapes, gaining proficiency in plant propagation, cultivation, and maintenance. Emphasis is placed on the identification and use of annuals, perennials, tropical plants, shrubs, and trees in both production and design.

Throughout the program, students participate in industry-relevant experiences such as site visits, guest lectures, and campus-based horticultural projects. These activities foster professional development of current practices and challenges within the horticulture field.

Outcomes

By completing this program, students will achieve the following learning outcomes:

- Identify and practice safe use of tools, equipment and supplies used in horticulture careers;
- Identify regional and Minnesota plants by common name, genus and species;
- Propagate, grow, and maintain plants in horticultural production systems;
- Identify and prescribe sustainable options in horticulture which benefit the environment while maintaining productivity and economic viability;
- Apply effective communication and interpersonal skills with co-workers, supervisors, suppliers and customers.

Graduation Requirements

In addition to the program requirements, students must meet the following conditions in order to graduate:

- College Cumulative GPA Requirement: cumulative grade point average (GPA) of credits attempted and completed at CLC must be at least 2.0.
- College Technical Core GPA Requirement: cumulative GPA of credits attempted and completed towards the technical core of the diploma or degree must be at least 2.0.
- Residency Requirement: students must complete 25% of their credits at Central Lakes College.

Career & Transfer

Employment opportunities can be found in greenhouse production, landscaping, as well as horticulture therapy, interior plantscaping, plant and flower brokering, and freelance design. Careers available are largely dependent on your goals.

Courses may transfer to many four-year universities. Students planning to pursue a bachelor's degree are strongly encouraged to consult with an advisor about transfer information for specific four-year colleges.

Academic Plan

This is a sample full time student pathway.

Semester One (19 credits)

HORT 1104 Plant Science	4 cr
HORT 1106 Applied Plant Science Lab	2 cr
HORT 1119 Bedding and Tropical Plants	4 cr
HORT 1123 Horticulture Lab I	1 cr
HORT 2140 Arboriculture	4 cr
HORT 2165 Landscape Design	4 cr

Semester Two (16 credits)

HORT 1103 Ornamental Trees and Shrubs.....	4 cr
HORT 1124 Horticulture Lab II	1 cr
HORT 1181 Sustainable Landscaping	3 cr
HORT 1197 Spring Greenhouse Production	4 cr
HORT 2116 Integrated Pest Management	4 cr

CLC is committed to legal affirmative action, equal opportunity, access and diversity of its campus community. This document is available in alternative formats. Consumers with hearing or speech disabilities may contact us via their preferred Telecommunication Relay Service.

Website: <http://www.clcmn.edu> **Email:** askclc@clcmn.edu **Phone:** 800-933-0346