

# Horticulture, A.A.S.

Associate of Applied Science Degree (A250)

Technical Requirements .....45

Mn Transfer Curriculum .....15

**Total Credits .....60**

## Program Description

For 40+ years CLC has been training students for careers in horticulture. The Horticulture Associate of Applied Science (A.A.S.) Degree covers a broad spectrum of the horticulture industry. While completing their A.A.S. Degree, students may also complete the Sustainable Local Food Certificate, Sustainable Greenhouse Diploma, or Sustainable Landscaping Diploma. One of the best things about horticulture is the number of different specialties and career opportunities available. This variety allows people with different backgrounds, skills and interests to find satisfying careers. Students appreciate the hands-on instruction and practice they receive; planting and caring for plants in the greenhouse; being able to identify and design with the many annuals, perennials, shrubs and trees; and participating in many other activities connected with plants.

## Program Outcomes

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

- 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;
- Design, construct and install plants for landscape projects;
- Apply effective communication and interpersonal skills with co-workers, supervisors, suppliers and customers.

## Career Opportunities

An Associate of Applied Science (A.A.S.) in Horticulture is the gateway to a wide variety of careers in the ever-growing horticulture industry. Employment opportunities can be found in greenhouse production, landscaping, floral design and sales, as well as horticulture therapy, interior plantscaping, plant and flower brokering, and freelance design. Careers available are largely dependent on your goals.

## Program Course Requirements

HORT 1104	Plant Science.....	4 cr
HORT 1106	Applied Plant Science Lab .....	2 cr
HORT 1108	Fundamentals of Floral Design.....	4 cr
HORT 1113	Annuals and Perennials .....	4 cr
HORT 1118	Indoor Flowering & Foliage Plants.....	4 cr
HORT 1122	Local Food Production .....	3 cr
HORT 1180	Sustainable Landscaping.....	3 cr
HORT 1196	Sustainable Greenhouse Management .....	4 cr
HORT 2112	Aquaponics and Hydroponics.....	5 cr
HORT 2116	Integrated Pest Management .....	4 cr
HORT 2140	Arboriculture.....	4 cr
HORT 2165	Landscape Design .....	4 cr

An A.A.S. degree requires a minimum of 15 credits selected from at least three of the ten goal areas of the Minnesota Transfer Curriculum (MnTC).

Minnesota Transfer Curriculum courses .....15 cr

## GRADUATION REQUIREMENT - 60 CREDITS

*\*Denotes Prerequisites*

## Course Prerequisites

Some courses may require appropriate test scores or completion of basic math, basic English and/or reading courses with a "C" or better. CLC utilizes a multiple measure approach for placement which may include high school MCA, SAT, ACT scores in addition to high school GPAs. For insurance purposes, internships may require that students be 18 years old.

## Semester Course Requirements

### Semester One (15 credits)

HORT 1104	Plant Science .....	4 cr
HORT 1106	Applied Plant Science Lab .....	2 cr
HORT 1108	Fundamentals of Floral Design.....	4 cr
HORT 2112	Aquaponics and Hydroponics.....	5 cr

### Semester Two (16 credits)

HORT 1122	Local Food Production .....	3 cr
HORT 1180	Sustainable Landscaping.....	3 cr
HORT 1196	Sustainable Greenhouse Management.....	4 cr
Minnesota Transfer Curriculum courses .....		6 cr

### Semester Three (15 credits)

HORT 1113	Annuals and Perennials.....	4 cr
HORT 2140	Arboriculture.....	4 cr
HORT 2165	Landscape Design .....	4 cr
Minnesota Transfer Curriculum courses .....		3 cr

### Semester Four (14 credits)

HORT 1118	Indoor Flowering & Foliage Plants.....	4 cr
HORT 2116	Integrated Pest Management .....	4 cr
Minnesota Transfer Curriculum courses .....		6 cr

## Transfer Opportunities

Articulation agreements are currently in place with the University of Minnesota. You may attend your first two years of college at Central Lakes College and transfer your credits to further your degree in Agricultural Education or Horticulture at the University of Minnesota Twin Cities or Crookston Campuses. Courses may also transfer to many other 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.

## Graduation Requirements

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

1. College Cumulative GPA Requirement: cumulative grade point average (GPA) of credits attempted and completed at CLC must be at least 2.0;
2. 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;
3. Residency Requirement: students must complete 25% of their credits at Central Lakes College.