

# Greenhouse Growers Certificate

Certificate Number 90-001-2

## Description:

The Greenhouse Grower Certificate is designed to provide courses with learning activities that will teach the necessary job skills and knowledge to grow quality plants in a greenhouse environment. Each course will include lecture, demonstrations, discussion, and hands on work experience. Some of the activities will be scheduled using the resources of the Green Bay Botanical Garden. Certificate graduates are eligible to transfer all 18 credits to the Landscape Horticulture two-year associate degree program.

## Certificate Completers Will be Able to:

- Communicate within the greenhouse industry.
- Prepare soil media for optimum plant performance.
- Seed and propagate plants from cuttings.
- Describe plant functions concerning germination, vegetative growth and flowering as it relates to reproduction.
- Understand the effect of all cultural, chemical, and environmental processes on greenhouse crops.
- Identify all major insects, understand their life cycles, and recommend control measures.
- Identify major disease organisms and apply the most effective prevention and eradication measures available.
- Maintain the proper greenhouse environment concerning light, temperature, and humidity.

## Curriculum

CATALOG #	DESCRIPTION	CREDITS
10-001-159 <i>Offered in: Fall 2008</i>	<b>Flowers-Herbaceous 1</b> ...annuals/perennials/roses; using flowers/foilage effectively in the landscape; care of each flower emphasizing selection/tips to best utilize each flower; groundcover/vines included. (Corequisite: 10-001-110, Horticulture-Intro)	3
10-001-111 <i>Offered in: Fall 2008</i>	<b>Greenhouse Grower I</b> ...examine greenhouse structures and environmental systems used in growing crops; focus will be on various factors that influence plant health and quality.	2
10-001-112 <i>Offered in: Spring 2009</i>	<b>Greenhouse Grower II</b> ...explore management factors affecting the production sales and marketing of greenhouse crops; emphasis will be on hands-on learning activities. (Prerequisite: 10-001-111, Greenhouse Grower 1)	2
10-001-110 <i>Offered in: Fall 2008</i>	<b>Horticulture-Intro</b> ...explore the horticulture industry, plant culture, identification, propagation, physiology, selected aspects of horticulture industry including fruits, vegetables, ornamentals, greenhouse systems, landscape techniques, home gardens, and turf.	3
10-001-170 <i>Offered in: Fall 2008</i>	<b>Pest Management-Integrated</b> ...various methods to combat plant pests in an environmentally responsible manner; techniques and strategies. (Prerequisites: 10-001-110, Intro to Horticulture; 10-001-154, Turf Management)	2
10-001-108 <i>Offered in: Fall 2008 Spring 2009</i>	<b>Plant Propagation</b> ...plant propagation and production techniques. (Prerequisites: 10-001-110, Intro to Horticulture; 10-001-158, Plant-Woody Ornamental 1; 10-001-159, Flowers-Herbaceous 1)	2
10-001-130 <i>Offered in: Spring 2009</i>	<b>Plant-Interior</b> ...how to identify indoor tropical plants and blooming plants that are used in interior landscaping. Includes identification, plant varieties, pests, diseases, and cultural requirements. Also designing with houseplants. (Prerequisite: 10-001-110, Intro to Horticulture)	3

*Certificate Total*    **17**

**For more information, please contact:** The Trades and Technical Division, (920) 498-5457 or (800) 422-NWTC, extension 5457, or contact Donna Meves, Flexible Learning Manager, (920) 498-6872 or (920) 498-5431, donna.meves@nwtc.edu