

# Basic Horticulture

Program Number: 30-001-5

## Associate Degree Transfer Program

Agriculture & Natural Resources Program Cluster

Center for Agriscience and Technologies

Courses offered at Madison Campuses

For information call: (608) 246-6800 or  
(800) 322-6282 Ext. 6800

### About the Program

Madison Area Technical College offers eight associate-degree courses dealing specifically with ornamental horticulture- the cultivation and use of plants and flowers to control, beautify and improve our environment.

Although a full associate degree program is not available at Madison Area Technical College, these courses offer students a foundation in horticulture and with additional MATC courses can provide up to 40 credits that can transfer to Gateway Technical College's Horticulture Program in Kenosha, Wisconsin. We recommend communicating directly with Gateway Technical College regarding transfer of credits and other advising on how best to pursue this degree by calling (262) 564-2434.

Students enroll in horticulture courses for varying reasons. Some take one or more courses to explore the field. Others take a few horticulture courses to further training. Others are interested in graduating with an associate degree in horticulture. For those individuals, staff can arrange a specific schedule including general education, business and marketing courses that will transfer to Gateway Technical College. Students planning to pursue an associate degree should contact the Agriscience Department before or at the time of registration.

Horticulture classes, except field trips, are held at the Commercial Avenue Education Center, 2125 Commercial Avenue, during the regular college semester. Three courses are typically offered each semester and are taught in the evening.

## Curriculum

In a typical semester, three courses are offered.

Courses	Hrs/week	
	Credits	Lec-Lab
10-001-111 Introduction to Horticulture .....	3	2-2
10-001-120 Landscaping -Interior .....	3	2-2
10-001-134 Turf and Lawn Management .....	3	2-2
10-001-140 Introduction to Landscape Design.....	3	2-2
10-001-143 Bedding Plants.....	3	2-2
10-001-144 Floral Design 1.....	3	2-2
10-001-145 Floral Design 2.....	3	0-6
10-001-155 <u>Garden Center Operations</u> .....	3	2-2
<b>Semester Total</b>	<b>24</b>	

## Program Courses

**10-001-111 Introduction to Horticulture 3 credits**  
Introduces plant science and the four branches of horticulture with an emphasis on ornamental horticulture. Covers the structure and function of plants and how they are affected by light, water, temperature, soil, pests, climate and nutrient availability. Labs combine hands-on experience, videos and demonstrations.

**10-001-120 Landscaping-Interior 3 credits**  
Students learn to choose plants to create pleasing and professional interior displays. Includes diagnosing and solving plant problems, drawing plans and writing maintenance contracts. Labs provide hands-on experience.

**10-001-134 Turf and Lawn Management 3 credits**  
Examines how to effectively start and maintain professional appearing lawns/turf. Discusses which grasses to use, turf chemicals, equipment and diagnosing problems. Labs include identification of weeds and several field trips to study various uses of turf.

**10-001-140 Introduction to Landscape Design 3 credits**  
Teaches how to plan and draw a professional landscape design. Focuses on selecting correct plant material, proper placement and uses of landscape construction elements. Lab provides practical design and drawing experience.

**10-001-143 Bedding Plants 3 credits**  
Covers greenhouse propagation and growing of annual and perennial plants used for bedding plants in landscaping. Covers bedding plant identification, culture, landscape use and flower-bed design. Labs include hands-on experience emphasizing proper technique in propagating and transplanting bedding plants, applying growth regulators and controlling pests.

**10-001-144 Floral Design 1/Commercial 3 credits**  
Students practice basic principles, elements and mechanics of floral design. Involves identification, care and handling of flowers and foliage. Includes hands-on designing of corsages, primary arrangements and holiday arrangements.

**10-001-145 Floral Design 2/ Commercial 3 credits**  
Covers hands-on use of fresh flowers, fresh foliage, dried materials, silks and fruit in the more advanced floral designs. Includes discussion of color theory and development of floral creativity. Prerequisite: 10-001-144.

**10-001-155 Garden Center Operations 3 credits**  
Covers garden center establishment and operation. Course content includes financial records, merchandising/promotion strategies and the selection/maintenance of quality plant materials. Labs include hands-on experiences and field trips.

## Career Potential:

- Nursery Grower
- Greenhouse Grower
- Sales and Marketing Representative
- Floral Designer
- Golf Course Maintenance Worker

With additional education and/or work experience, graduates may find employment as:

- Landscape Designer
- Landscape Maintenance Technician
- Interior Plantscaper
- Production Supervisor
- Floral Shop Owner/Manager
- Garden Center Manager/Owner

*More detailed and updated information on this program may be available at: [matcmadison.edu](http://matcmadison.edu). The college reserves the right to make changes in the regulations and courses announced in this publication without notice.*

*Madison Area Technical College provides equal opportunity in education and employment.*