



# Environmental Horticulture & Sustainable Agribusiness Program

## Montgomery College - Germantown Campus Spring Semester 2025

### HORT 100 Intro. to Plant Sciences

4 semester hours

An overview of the science and art of horticulture. Relationships between plant science and plant production, the use of horticultural plants and plant stress as influenced by environmental factors and cultural practices are covered.

- ◆ *Fulfills —Natural Sciences Distribution with Lab (NSLD) requirement at Montgomery College*
- ◆ *Satisfies a Gen Ed requirement at the University of Maryland College Park*

Monday	9:00 - 10:50 a.m. & Wed. 9:00 - 11:50 a.m.	CRN 33243, CRN 33246 Dis, CRN 33247 Lab, <b>Face-to-face</b>
Monday	6:00 - 7:50 p.m. & Wed. 6:00 - 8:50 p.m.	CRN 33020, CRN 33021 Dis, CRN 33022 Lab, <b>Face-to-face</b>
Friday	9:00 a.m. - 1:40 p.m.	CRN 32513 CRN 32514 Dis, CRN 32515 Lab, <b>All on-line</b>
Saturday	9:00 a.m. - 1:50 p.m.	CRN 32509, CRN 32510 Dis, CRN 32511 Lab, <b>Face-to-face @ Takoma Park</b>

### HORT 105 Intro. to Sustainable Landscaping

2 semester hours

Gain a broad overview of trends within of the Green Industry, including techniques and approaches for maintaining and improving soil health, composting, and managing stormwater, as well as provide a basic understanding of growth and nutrition to ensure environmental sustainability. Students will learn about national, state and local guidelines promoting sustainability in landscape design and management.

Monday, 7:30 - 9:10 p.m. CRN 32516, **On-line**

### HORT 141 Beekeeping

2 semester hours

Learn the skills needed to start and maintain a honeybee hive from Regional Apiary Inspector Gregg Gochnour. Other key topics include honeybee life cycle and functions, seasonal management, parasite and pathogen management, and products from the hive. Course gives students hands-on opportunity at an apiary. LATE START, Meets 02/12 -05/14/25

Wednesday, 6:00 p.m. - 8:15 p.m. CRN 33250, **Face-to-face**

### HORT 145 Creating Gardens in a Digital Age

2 semester hours

Introduces students to historical garden designs as well current ecologically influenced trends, such as sustainable landscaping and native landscaping designs through digital media.

Saturday, 9:00 a.m. - 11:40 a.m. CRN 33251, CRN 33252 Lab, **Hybrid format**

### HORT 150 Introduction to Arboriculture

1 semester hour

This hands-on course (all lab) will focus on how to ascend and descend safely in large trees. Each class will have one or more arborists from the MNCCPC serving as teaching assistants.

LATE START, Meets 03/17 -03/21/25

9:00 a.m. to 2:40 p.m. CRN 32512, **Face-to-face**  
Class meets at Agricultural History Farm Park at 18410 Muncaster Road, Derwood, MD, 20855

### HORT 254 Plant Materials II\*

3 semester hours

Learn how to identify and properly use evergreen and deciduous trees, shrubs, vines, and groundcovers in a broad range of landscape situations. Plant characteristics, such as seasonal interest and habit, are stressed so that appropriate plant selections can be made for any landscape situation.

Monday	1:00 - 4:30 p.m.	CRN 33253, CRN 32517 Lab, <b>Hybrid format</b>
Wednesday	6:00 - 9:30 p.m.	CRN 33254, CRN 32518 Lab, <b>Hybrid format</b>

### HORT 258 Sustainable Landscape Management\*, \*\*

3 semester hours

Hone landscape management skills by an in-depth study of proper planting and pruning techniques. Learn how to properly evaluate soil sites and conditions. Select appropriate amendments and develop fertilization programs.

Tuesday, 6:00 - 9:30 p.m. CRN 32519, CRN 32520 Lab, **Hybrid format**

### HORT 271 Plant Propagation and Production\*

3 semester hours

Discover the basic principles and skills used to propagate and produce a wide range of ornamental and edible plants, including natives, annuals, perennials and fruits. Lab will focus on seed propagation, cuttings, grafting, budding, division, layering, and tissue culture.

Thursday, 6:00 - 9:30 p.m. CRN 32521, CRN 32522 Lab, **Face-to-face**

### HORT 280 Landscape Technology Internship

2 semester hours

With guidance from an instructor, design an individual industry work experience.

Contact HORT coordinator

CRN 32523

\*HORT 254, HORT 258, HORT 271 includes optional Saturday and weekday Field trips.

\*\*HORT 258, HORT 271 and other select courses in the Program, have been approved by the MD Dept. of Agriculture to prepare Greens Industry professionals for pesticide application certification in Category III. For further information about the program or courses, contact

**Stephen Dubik (240) 567-7803 [steve.dubik@montgomerycollege.edu](mailto:steve.dubik@montgomerycollege.edu)**

▶ [In-county tuition rates available for Business/Industry employees](#)

▶ [Tuition waivers available for senior citizens](#)

▶ **Web registration: [www.montgomerycollege.edu](http://www.montgomerycollege.edu)**

**Questions? 240-567-5000 / [www.montgomerycollege.edu/futurestudents](http://www.montgomerycollege.edu/futurestudents)**



Classes start the week of  
January 27

