

Environmental Horticulture Program

Montgomery College - Germantown Campus

Spring Semester 2026

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 32969, CRN 32972 Dis, CRN 32973 Lab, Face-to-face
Monday 6:00 - 7:50 p.m. & Wed. 6:00 - 8:50 p.m.	CRN 32847, CRN 32848 Dis, CRN 32849 Lab, Face-to-face
Tuesday 9:00 - 10:50 a.m. & Thursday 9:00 - 11:50 a.m.	CRN 33453, CRN 33454 Dis, CRN 33455 Lab, Face-to-face @ Takoma Park
Friday 9:00 a.m. - 1:40 p.m.	CRN 32408 CRN 32409 Dis, CRN 32410 Lab, All on-line
Saturday 9:00 a.m. - 1:50 p.m.	CRN 32404, CRN 32405 Dis, CRN 32406 Lab, Face-to-face @ Takoma Park

HORT 105 Intro. to Sustainable Landscaping

2 semester hours

Gain a broad overview of trends within 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 32411, **On-line**

HORT 131 Sustainable Landscape Design

3 semester hours

This course provides an introduction to sustainable landscape design, focusing on creating functional, thriving outdoor spaces that work in harmony with the natural environment. Students will learn how to strategically use plants, materials, and design features to reduce environmental impact while enhancing the beauty and usability of the landscape.

Thursday, 6:00 - 7:50 p.m. & every other Saturday 9:00 a.m. to 12:20 p.m. CRN 33393, CRN 33394 Lab, **Hybrid format**

HORT 141 Beekeeping

2 semester hours

Learn the skills needed to start and maintain a honeybee hive from Master Beekeeper Jim Fraser. 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 02/10 -05/12/26

Tuesday, 6:00 p.m. - 8:15 p.m. CRN 35024, **Face-to-face**

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 MNCPC serving as teaching assistants.

LATE START, Meets 03/16 -03/20/26

9:00 a.m. to 2:40 p.m. CRN 32407, **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. *Selected classes will met on campus during scheduled class time.*

Monday 1:00 - 4:30 p.m.	CRN 35097, CRN 35098 Lab, Hybrid format
Wednesday 6:00 - 9:30 p.m.	CRN 33412, CRN 32413 Lab, Hybrid format

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.

Selected classes will met on campus during scheduled class time.

Tuesday, 6:00 - 9:30 p.m. CRN 32414, CRN 32415 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 32416, CRN 32417 Lab, **Face-to-face**

HORT 280 Environmental Horticulture Internship

2 semester hours

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

Contact HORT coordinator

CRN 32418

*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

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

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



Classes start the week of
January 26

12/15/25

