

ENVIRONMENTAL HORTICULTURE AND SUSTAINABLE AGRIBUSINESS CERTIFICATE

Total Credits: 19

Catalog Edition: 2025-2026

Program Description

(G): 262

The certificate program is designed for persons interested in pursuing a new career as well as for green industry employees seeking additional professional development. Graduates will be prepared for employment opportunities in sustainable landscape operations, public and private gardens, landscape design and construction, grounds management, turf management, nurseries, environmental and stormwater management or apply earned credits toward an AAS in environmental horticulture and sustainable agribusiness. Special courses in the curriculum focus sustainable and organic food production and environmental management and sustainability.

This curriculum provides training with entry level skills, upgrading of existing skills, and preparation for further training in the areas of horticulture, food production, and environmental management. Special topic courses in the curriculum focus sustainable and organic food production and environmental management and sustainability.

Selected courses have been approved by the Maryland Department of Agriculture to prepare horticultural professionals for pesticide application certification in Category III (Turf and Ornamentals), Category V (Aquatic), and Category VI (Right of Way and Weed). For more information, contact the environmental horticulture and sustainable agribusiness advisor.

Upon completion of the certificate students will be eligible to earn the Maryland Certified Professional Horticulturist (CPH) certificate from the Maryland Nursery, Landscape, Greenhouse Association (MNLGA).

Program Outcomes

Upon completion of this program, a student will be able to:

- Design, draft, and implement landscape plans.
- Install, construct, and maintain landscapes.

- Identify common plants in Maryland landscapes.

Program Advisors

Rockville

- Prof. Chantal Vilmar, 240-567-1718,
Chantal.Vilmar@montgomerycollege.edu

For more information, please visit <https://www.montgomerycollege.edu/academics/programs/environmental-horticulture-sustainable-agribusiness/environmental-horticulture-sustainable-agribusiness-certificate.html>

To view the Advising Worksheet, please visit <https://www.montgomerycollege.edu/documents/counseling-and-advising/advising-worksheets/current-catalog/262.pdf>

2025-2026

Program Advising Guide

An Academic Reference Tool for Students

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Program Requirements

A suggested course sequence for full-time students follows. All students should review this advising guide and consult an advisor.

Program Requirements

HORT 105 - Introduction to Sustainable Landscaping 2

semester hours

HORT 253 - Plant Materials I 3 *semester hours*

HORT 254 - Plant Materials II 3 *semester hours*

HORT 258 - Sustainable Landscape Management 3

semester hours

HORT Electives 8 *semester hours*

Total Credit Hours: 19

Please note:

Environmental horticulture and sustainable agribusiness courses are listed as LNTP in the catalog and course schedule until fall 2022. After fall 2022, they are listed as HORT.

Certain courses have been approved by Montgomery County Department of Environmental Protection for environmental and stormwater management.

Select courses in these programs have been approved by the Maryland Department of Agriculture to prepare horticultural professionals for pesticide application certification in Category III (Turf and Ornamentals), Category V (Aquatic), Category VI (Right of Way and Weed), and Category VII (Consultant). For information consult the environmental horticulture and sustainable agribusiness advisor.

Please consult the environmental horticulture and sustainable agribusiness advisor for course selection.

Transfer Opportunities

Montgomery College has partnerships with multiple four-year institutions and the tools to help you transfer. To learn more, please visit <https://www.montgomerycollege.edu/transfer> or <http://artsys.usmd.edu>.

Get Involved at MC!

Employers and Transfer Institutions are looking for experience outside the classroom.

MC Student Clubs and Organizations: <https://www.montgomerycollege.edu/life-at-mc/student-life/>

Related Careers

Some require a Bachelor's degree.

Landscape Architect, Nursery and Greenhouse Manager, Landscaping and Grounds keeping Workers, Tree Trimmer and Pruner, Nursery Worker.

Career Services

Montgomery College offers a range of services to students and alumni to support the career planning process. To learn more, please visit <https://www.montgomerycollege.edu/career>

Career Coach

A valuable online search tool that will give you the opportunity to explore hundreds of potential careers or job possibilities in Maryland and the Washington D.C. metropolitan area. Get started today on your road to a new future and give it a try. For more information, please visit <https://montgomerycollege.emsicc.com>

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