ENVIRONMENTAL HORTICULTURE AAS

Total Credits: 60
Catalog Edition: 2026-2027

Program Description

(G): 361

This program provides the student with a comprehensive mixture of academic and practical training in the field of environmental horticulture. The flexible curriculum can accommodate career interests in either landscape contracting or design. Students will learn to design and draft landscape plans; install, construct, and maintain landscapes; and identify, select, and plant woody and herbaceous plants.

Career opportunities include positions as landscape supervisors, nursery managers, landscape contractors, and landscape designers. This program will also serve to expand the knowledge and skills of persons already working in the profession and give the student enough knowledge and experience to establish a private landscape, grounds maintenance, nursery, or greenhouse business.

Courses include general education requirements, those necessary for acquiring landscaping fundamentals, and those that reinforce the student's area of interest in landscape contracting or landscape design. This program is approved by the Landscape Contractors Association.

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.
- Identify, communicate, and solve common problems in the landscape or in production.

Program Advisors

Rockville

- Prof. Steve Dubik, 240-567-7803, Steve.Dubik@montgomerycollege.edu

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

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Suggested Course Sequence

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

First Semester

ENGL 101 - Introduction to College Writing *3 semester hours* *

Mathematics Foundation*3 semester hours (MATF)*

BIOL 101 - General Biology *4 semester hours* (NSLD)

OR

HORT 100 - Introduction to Plant Sciences *4 semester hours* (NSLD)

HORT 105 - Introduction to Sustainable Landscaping *2 semester hours*

HORT 253 - Plant Materials I *3 semester hours*

Third Semester

BSAD 101 - Introduction to Business *3 semester hours*

OR

MGMT 101 - Principles of Management *3 semester hours*

COMM 108 - Foundations of Human Communication *3 semester hours* (GEEL)

OR

COMM 112 - Business and Professional Speech Communication *3 semester hours* (GEEL)

Arts or Humanities Distribution*3 semester hours (ARTD or HUMD)*

HORT Elective *3 semester hours* ‡

HORT Elective *3 semester hours* ‡

Second Semester

English Foundation*3 semester hours (ENGF)*

CMAP 120 - Introduction to Computer Applications *3 semester hours*

HORT 254 - Plant Materials II *3 semester hours*

HORT Elective *3 semester hours* ‡

HORT Elective *3 semester hours* ‡

Fourth Semester

HORT 258 - Sustainable Landscape Management *3 semester hours*

HORT 280 - Environmental Horticulture Internship *2 semester hours*

Behavioral and Social Sciences Distribution*3 semester hours (BSSD)*

HORT Elective (200 Level) *3 semester hours* ‡

HORT or Elective *3 semester hours* ‡

HORT Elective *1 semester hour* ‡

Total Credit Hours: 60

* ENGL 101/ENGL 101A, if needed for ENGL 102/ENGL 103, or elective.

‡ Please consult an environmental horticulture advisor to choose HORT electives.

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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