

Environmental Horticulture

Bachelor of Science Degree

Contact

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Admission Requirements

(In years as established by the college)

A high school diploma with the following specific courses:

- 4 English
- 2 Algebra I & II
- 1 Geometry
- 2 Lab Science (biology & chemistry or physics)
- 2 History/Social Studies
- Academic electives (to equal at least 17 credits)

To ensure current mathematical skills, students should take a mathematics course during their senior year of high school.

Did You Know?

- Our program is unique in the region because of its combination of design skills and plant science knowledge in one curriculum.
- Students in the horticultural business concentration complete a minor in business administration through classes taken through the Maine Business School and may elect to continue an extra year to complete a master's in business administration.

College of Natural Sciences, Forestry, and Agriculture

Program Description

The environmental horticulture program offers three concentrations: horticultural business, landscape design and sustainable horticulture. These curricula offer students the opportunity to gain theoretical knowledge in landscape design; landscape and greenhouse management; business management; and other related areas.

Students in the horticultural business concentration automatically complete a minor in business administration through the Maine Business School and may elect to continue an extra year to complete Master's in Business Administration. All students take a class in environmental ethics offered by the Philosophy Department and a class in environmental horticulture offered by the Plant, Soil and Environmental Sciences Department.

The program differs from horticulture programs in other states because it offers a concentration in landscape design, which combines design skills and plant science knowledge into one curriculum.

Specialized Information

The Lyle E. Littlefield Ornamentals Trial Garden is an important research and teaching resource for our program. Over the last four decades, the 7-acre garden has amassed a collection of more than 2,500 woody and herbaceous plants. Major focus collections include crabapple varieties, lilacs, rhododendrons and magnolias. The Roger Clapp Greenhouse is an on-campus facility that is home to a diverse plant collection, including house plants, large succulents and orchids. Both the garden and greenhouse support teaching and are a source of on-campus jobs and internships for students.

All students complete a field experience as a graduation requirement. Recently, students have completed internships at Betty Ford Alpine Garden, Vail, Colo.; Arnold Arboretum, Harvard University; Seabrook Island Country Club, S.C.; Skagit Gardens, Mt. Vernon, Wash.; Belknap Landscaping Co., Gilford, N.H.; Longfellow's Greenhouses, Manchester, Maine; Windswept Gardens, Bangor, Maine; Penobscot Valley Country Club, Orono, Maine; Salmon Fall Nursery, Berwick, Maine; Sheep Meadow Estate, North Haven, Maine; EdgeWater Farm B&B, Phippsburg, Maine; and Atlantic Landscape and Construction, Ellsworth, Maine, among other employers.

Associated Honor Societies and Student Organizations

Students are encouraged to join the Horticulture Club. They also have opportunities to attend such annual professional conferences as New England Grows and the Professional Landcare Network (PLANET) Student Career Days. Students are given the opportunity to participate in travel experiences such as going to Boston, Atlanta, Pomona, Calif., and East Lansing, Mich., for professional conferences.

NEBHE Program

Applicants to this program who reside in Vermont are eligible for reduced tuition (in-state plus 50 percent) under the New England Regional Student Program, administered through the New England Board of Higher Education (nebhe.org).

Representative Courses

PSE 100 Plant Science
PSE 140 Soil Science
PSE 141 Soil Science Laboratory
PSE 219 Herbaceous Landscape Plants
PSE 221 Woody Landscape Plants I
PSE 222 Woody Landscape Plants II
PSE 227 Landscape Design/Construction Technology
PSE 325 Turfgrass Management
PSE 328 Landscape Design

PSE 396 Field Experience
PSE 403 Weed Ecology/Management
PSE 410 Plant Propagation
PSE 415 Greenhouse Management
PSE 424 Plant Production
PSE 425 Landscape Management
PSE 430 Environmental Horticulture
PSE 457 Plant Pathology

Career and Graduate Opportunities

The Green Industry is diverse and growing in the state: \$253 million revenue in 2007, almost 5,000 full-time jobs and an additional 7,000 part-time jobs. The close working relationship between the environmental horticulture program and state, national and international horticulture industry members has been an important factor contributing to a nearly 100 percent employment record for our graduates.

The following areas represent career options pursued by our graduates: landscape consultant, landscape designer, greenhouse manager, grounds superintendent, golf course supervisor, garden center manager, nursery supervisor, estate gardener, public garden horticulturalist, environmental educator, horticulture writer and entrepreneur.

UMaine Graduate Programs

Master of Science in Horticulture
Doctor of Philosophy in Plant Sciences
Doctor of Philosophy in Ecology and Environmental Sciences

About UMaine

The University of Maine, founded in Orono in 1865, is the state's premier public university. It is among the most comprehensive higher education institutions in the Northeast and attracts students from across the U.S. and more than 60 countries. It currently enrolls 12,000 total undergraduate and graduate students who can directly participate in groundbreaking research working with world-class scholars. Students are offered 88 bachelor's degree programs, 64 master's degree programs, 25 doctoral programs and one of the oldest and most prestigious honors programs in the U.S. The university promotes environmental stewardship on its campus, with substantial efforts aimed at conserving energy, recycling and adhering to green building standards in new construction. For more information about UMaine, go online (umaine.edu). Equal opportunity information also is available online (umaine.edu/eo).

How do I apply?

Visit go.umaine.edu for an application, as well as information about academics and life at UMaine.



Academic Programs 2011–12

The latest versions of the UMaine fact sheets are online (factsheets.umaine.edu). This fact sheet is intended for informational purposes only and is subject to change.

