

THE FIELD

Horticulture is the science and art of growing landscape plants, ornamental plants, fruits, flowers, and vegetables in an environmentally sound and sustainable way. If you like the idea of applied science, enjoy working with plants and people, or wish to beautify the environment, then horticulture would be a rewarding career for you.

THE MAJOR

Sustainable horticulture is the most flexible associate of science (AS) major in the Stockbridge School of Agriculture. Students select courses in a range of horticulture topics and design their own focus of study. You can concentrate on greenhouse management, crop production, or nursery and garden center management while gaining general knowledge in plant science and agricultural sustainability. The Stockbridge School of Agriculture's program carries on a proud tradition by offering a two-year professional education leading to an associate of science degree designed to prepare students for a career in the diverse horticultural industry. The College of Natural Sciences Research and Education Greenhouse, the UMass Cold Spring Orchard, the Joseph Troll Turf Research Center, and the UMass Agricultural Learning Center are used by faculty and Stockbridge School of Agriculture students for production courses, and are available for independent study and practica.

CAREER OPPORTUNITIES

The associate of science degree in sustainable horticulture prepares students for enjoyable, challenging, and rewarding careers in the green industries. Employment opportunities include grower, sales representative, garden center manager, and nursery production and sales.

INDUSTRY-FUNDED SCHOLARSHIPS

Garden clubs, professional organizations, and horticultural societies provide scholarships to students who are interested in the study of horticulture. Some examples are the Massachusetts Flower Growers' Association, Massachusetts Horticultural Congress, and Garden Club Federation of Massachusetts. Learn more about horticulture through professional organizations such as the Massachusetts Flower Growers' Association, the Massachusetts Fruit Growers' Association, the Massachusetts Nursery & Landscape Association, and UMass Extension.

RECOMMENDED TWO-YEAR COURSE SEQUENCE:

FIRST SEMESTER

MATH	Based on Placement Exam
STOCKSCH 192F	First Year Seminar
STOCKSCH 108	Introductory Botany
STOCKSCH 105	Soils
STOCKSCH 315	Greenhouse Management

THIRD SEMESTER

ENGLWRIT 112	Based on Placement Exam
STOCKSCH 113	Introductory Plant Pathology Lab
STOCKSCH 200	Plant Propagation
STOCKSCH 397PT	Plant Trends in Landscape Horticulture
SUSHORT Electives	Advisor Approved

SECOND SEMESTER

STOCKSCH 101	Insects and Related Forms
STOCKSCH 111	Introductory Plant Pathology
STOCKSCH 198G	Internship (June–August)
STOCKSCH 104	Plant Nutrients
STOCKSCH 255	Herbaceous Plants
SUSHORT Electives	Advisor Approved

FOURTH SEMESTER

STOCKSCH 335	Principles and Practices of Greenhouse Cultivation
STOCKSCH 182	Principles of Pesticide Management
SUSHORT ELECTIVES	Advisor Approved

THE STOCKBRIDGE SCHOOL OF AGRICULTURE

The Stockbridge School of Agriculture is unique in that its students have all the advantages of being members of the larger UMass Amherst community and the College of Natural Sciences while keeping the close student-faculty relationships of a small school. Students can be involved in a broad range of activities, including clubs, intramural sports, and residential activities. Stockbridge faculty members teach at both the undergraduate and graduate level, participate in research, and are highly trained professionals. Stockbridge is a small school with big opportunities.

Levi Stockbridge, who was the university's first professor of agriculture and its fifth president, pioneered "Learning by Doing," a concept that combines classroom lectures with practical experiences. We follow his philosophy to this day.

COLLEGE OF NATURAL SCIENCES

The College of Natural Sciences unites the life, environmental, computational, and physical sciences on campus. Students take advantage of a range of inquiry-based classroom and laboratory experiences, hands-on undergraduate research opportunities, multidisciplinary and cross-departmental education and research initiatives, and a variety of science student organizations. In addition, they are encouraged to develop strong written and oral communication skills, as well as leadership and problem-solving abilities.

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