The Department of Horticulture at the University of Wisconsin–Madison is one of the four original departments of the College of Agricultural and Life Sciences and was founded in 1889. The department provides programs that are focused on fundamental studies of plant biology, crop production, and utilization of horticultural crops. It also seeks to provide educational opportunities for the pursuit of careers in horticulture, strengthen the competitive position of Wisconsin’s horticulture industry, and increase the use of plants for environmental improvement and as a source of personal enrichment. The work of department faculty, staff, and students has made substantial impacts in the state and nation for over 125 years and continues to do so.

The department prides itself on cutting edge research focusing on horticultural plants, solving problems for our horticulture industry partners and farmers, helping students gain key experiences in research and outreach during their degree programs, and serving both the State of Wisconsin and the broader scientific community through the generation of new knowledge, techniques, and discoveries that can benefit society.

The department maintains a vibrant undergraduate major. Instruction is offered in all of the primary areas of horticulture and additional coursework is available in a number of subjects including molecular biology and bioinformatics. Approximately $25,000 in scholarship funds are available annually to undergraduate students in the department each year. The department’s graduate program offers both M.S. and Ph.D. degrees in a variety of specialties. Many graduate students advised by horticulture faculty also pursue graduate degrees in programs such as plant breeding and plant genetics, cell and molecular biology, and agroecology. The department has also recently created a new M.S. program that has an emphasis in organic and sustainable production. The department offers some unique international opportunities in Costa Rica and other Central American countries that focus on tropical horticulture.

The Department of Horticulture is home to a number of successful outreach programs that serve the citizens, public sector, and businesses of the State of Wisconsin. These include the Nutrient and Pest Management Program, the Integrated Pest and Crop Management Program, the Crop Diagnostic Training program, the IR-4 program, the Wisconsin Institute for Sustainable Agriculture, the Master Gardener Program, and the Allen Centennial Gardens. In addition to these activities, faculty and staff are active in field days, Extension programs, courses, seminars, and webinars, and author newsletters and other media that are distributed statewide.

### DEGREES/MAJORS/CERTIFICATES


### PEOPLE

#### PROFESSORS

Bamberg, Colquhoun, Goldman (chair), Havey, Jiang, Krysan, Nienhuis, Palta, Patterson, Simon, Spooner, Yandell

#### ASSOCIATE PROFESSORS

Bethke, Jansky, Jull, Weng, Zalapa

#### ASSISTANT PROFESSORS

Atucha, Dawson, Endelman

#### INSTRUCTIONAL STAFF

Calderon, Nelson, Oosterwyk

### RESOURCES AND SCHOLARSHIPS

#### SCHOLARSHIPS@UW–MADISON

UW–Madison offers an extensive scholarship program called Scholarships@UW ([https://scholarships.wisc.edu/Scholarships](https://scholarships.wisc.edu/Scholarships)). In order to be considered for scholarships, students must fill out the online application. The following is a list of scholarships available to horticulture majors.

#### BURDEAN STRUCKMEYER SCHOLARSHIP

A Madison area native who obtained her PhD in botany–horticulture, Burdean Struckmeyer spent her entire career in the UW Department of Horticulture. Her research was vital to interpreting the nature of tree diseases including Dutch Elm and Oak Wilt. This scholarship is to honor her career and research in horticulture.

Awarded to CALS undergraduate students enrolled in horticulture with demonstrated financial need.

#### DAVID CURWEN STUDENT ENHANCEMENT SCHOLARSHIP

Dr. David Curwen joined the UW Department of Horticulture in 1963 after earning his Ph.D. at Penn State. Some of his many accomplishments while on campus include developing and delivering effective wind erosion control, improved irrigation management, and reducing the need for pesticides for potatoes and other vegetables. This scholarship is set up in recognition of his career.

Awarded to undergraduate students enrolled in the Department of Horticulture. Preference is given to students who demonstrate leadership ability and have good academic standing. A minimum GPA of 3.0 is required.

#### GAVIN & MARY WEIS RESEARCH SCHOLARSHIP

This CALS scholarship is provided in honor of Gavin and Mary Weis.

Awarded to CALS undergraduate students majoring in horticulture or other plant sciences. Students must demonstrate leadership in their field and have a minimum GPA of 3.5. The Department of Horticulture nominates students for this award.

#### HELEN MACDONALD AWARD (LAKE GENEVA GARDEN CLUB) SCHOLARSHIP

This CALS scholarship is provided in honor of Helen MacDonald.

Awarded to junior students with satisfactory academic performance in CALS with order of preference given in the following areas of study: (1) conservation, (2) horticulture, (3) landscape architecture. Minimum GPA of 2.75. Career interest preferred: natural resource management/conservation.
HERBERT J. HOPEN SCHOLARSHIP
This CALS scholarship is provided by Herbert J. Hopen.
Awarded to undergraduate students in CALS majoring in horticulture. This scholarship is awarded based upon high academic achievement.

RHO CHAPTER OF PI ALPHA XI SCHOLARSHIP
This CALS scholarship is provided by Rho Chapter of Pi Alpha Xi.
Awarded to junior or senior students majoring in horticulture and in good academic standing. Minimum GPA of 3.0.

SOUTHEAST WISCONSIN MASTER GARDENERS, INC. SCHOLARSHIP
This CALS scholarship is provided by SouthEast Wisconsin Master Gardeners, Inc.
Awarded to sophomores, juniors, seniors or graduate students in CALS. Minimum GPA of 2.0. Preference given to students from Milwaukee and Waukesha counties.

WISCONSIN AGRI-BUSINESS ASSOCIATION SCHOLARSHIP FUND
This CALS scholarship is provided by the Wisconsin Agri-Business Association (WABA).
Recipients of this award are juniors or seniors majoring in either soil science, plant pathology, agronomy, entomology, or horticulture. Recipients must demonstrate an interest in soil fertility and plant nutrition or pest management. Each student may receive this scholarship only once and must be a U.S. citizen. Consideration is given to scholastic ability, and leadership activities.

WES HANSCHE MEMORIAL SCHOLARSHIP
The Wes Hansche Memorial Scholarship is a memorial to Wesley Hansche who was a distinguished Wisconsin horticulturist.
Awarded to full-time undergraduate students in CALS in the Department of Horticulture. Recipients must be Wisconsin residents with consideration given to extracurricular activities and academic standing. A minimum GPA of 2.0 is required.

WILLIAM F. CONNELL MEMORIAL SCHOLARSHIP
After having discovered a new variety of apple in 1949, William Connell grew his meager orchard into a 13,000 tree orchard—and the home to his namesake, the Connell Red Apple. In addition to running the Connell’s Orchard, Mr. Connell also served as president of the Wisconsin Horticultural Society. This scholarship for horticulture students was established as a memorial of his achievements by friends and family.
Awarded to undergraduates in the Department of Horticulture in the College of Agricultural and Life Sciences. The recipient must be a Wisconsin resident and have satisfactory academic standing. Minimum GPA of 2.75.

WISCONSIN STATE CRANBERRY GROWERS ASSOCIATION SCHOLARSHIP
This CALS scholarship is provided by Wisconsin State Cranberry Growers Association.
Awarded to junior or senior students in CALS that are in good academic standing, with preference given to students who show an interest in the cranberry-growing industry. The recipients are nominated by the departments of Plant Pathology, Soil Sciences, Horticulture and Entomology. Minimum GPA of 2.0.