Horticulture
Bachelor of Science
Horticulture connects plants and people to improve our world, be it through the enhancement of the foods we eat, the creation of healthy natural living spaces, the economic and aesthetic enhancement of our homes and communities, or the application of green solutions to the challenges of environmental quality. The plants of horticulture are the foundation of human and environmental well-being, and it is horticulture professionals who have the knowledge, skills, and passion to utilize those plants for the betterment of humankind.

The Horticulture degree program includes courses in science, mathematics, business, leadership, law, and communication, combined with a strong foundation in horticultural sciences and arts. The curriculum provides the flexibility to choose courses within those categories that best support the student’s personal interests, goals, and success. Career opportunities are endless.

Students work closely with faculty in creative inquiry groups to investigate and implement solutions to real problems. Internships are excellent opportunities to learn and explore potential careers.

Combined Bachelor of Science/Master of Science Degree Program
Horticulture students may begin a Master of Science degree in Plant and Environmental Sciences or a Master of Science degree in Entomology while completing their Bachelor of Science degree, and use up to 12 credits to satisfy the requirements of both the undergraduate and graduate degrees. To be eligible for this plan, students must have a 3.4 or higher grade-point average and have completed at least 90 credits of coursework. Details are available from the Department of Plant and Environmental Sciences.

Freshman Year
First Semester
1 - BIOL 1040 General Biology I
2 - HORT 1010 Horticulture
3 - Elective
- 15

Second Semester
1 - CH 1010 General Chemistry
2 - BIOL 1050 General Biology Lab. I
3 - Elective
- 15

Sophomore Year
First Semester
3 - HORT 2100 Growing Garden Plants in the Fall
4 - HORT 3030 Landscape Plants
5 - MATH 1010 Essential Math. for Informed Soc.
6 - Elective
- 16

Second Semester
3 - HORT 2110 Growing Plants in the Spring
4 - PES 2020 Soils
5 - Arts and Humanities (Literature) Requirement
6 - Social Science Requirement
- 13

Junior Year
First Semester
3 - HORT 3080 Sustainable Landscape Garden Design
3 - Business Requirement
3 - Horticulture Specialization Requirement
3 - Oral Communication Requirement
3 - Related Science Requirement
1 - Elective
- 15

Second Semester
3 - BIOL 4010 Plant Physiology
1 - BIOL 4020 Plant Physiology Lab
3 - HORT 4040 Plant Propagation
3 - HORT 4050 Plant Propagation Techniques Lab.
3 - Horticulture Specialization Requirement
3 - Social Science Requirement
1 - Elective
- 15

Senior Year
First Semester
3 - HORT 4090 Senior Capstone Course
3 - Business Requirement
3 - Horticulture Specialization Requirement
3 - Related Science Requirement
1 - Elective
- 12

Second Semester
3 - Horticulture Specialization Requirement
6 - Related Science Requirement
1 - Elective
- 12

121 Total Semester Hours

1Select from any 2000 level or higher ACCT, AGRB, COMM, ECON, ELE, FIN, LAW, MGT, or MKT course

2General Education Requirements. The Cross-Cultural Awareness Requirement and Science and Technology in Society General Education requirements must also be satisfied through these courses.

3Select from any 2000 level or higher BIOL, HORT, 4020, BCHM 3550, BIOL 3200, 4060, 4410, 4450, 4460, 4470, CH 2230, ENSF 2000, ENT 3000, 3010, 3090, GEN 3000, IPM 4010, MCR 3050, PES 4050, 4520, 4530, PHYS 1220, 1240, 2000, 2070, 2090, PLPA 3100, 4060, 4080, WFB 3130, 4620

Note: Horticulture majors must earn a C or better in all HORT classes.

*See General Education Requirements. Three of these credit hours must also satisfy the Cross-Cultural Awareness Requirement. (Note: Social Science Requirement must be in an area other than economics or applied economics.)

*Select CH 1020 or PHYS 2000 or a higher level general Physics course. PHYS 2000 is highly recommended.

*AGRBB 2020, ECON 2000, 2110, or 2120

*Summer internship must be in land surveying.