Horticulture, M.S.

Requirements

Minimum Graduate School Requirements

Review the Graduate School minimum academic progress and degree requirements (http://guide.wisc.edu/graduate/#policiesandrequirementstext), in addition to the program requirements listed below.

Major Requirements

Mode of Instruction

<table>
<thead>
<tr>
<th>Mode of Instruction</th>
<th>Face to Face</th>
<th>Evening/Weekend</th>
<th>Online</th>
<th>Hybrid</th>
<th>Accelerated</th>
</tr>
</thead>
<tbody>
<tr>
<td>Yes</td>
<td>No</td>
<td>No</td>
<td>No</td>
<td>No</td>
<td>No</td>
</tr>
</tbody>
</table>

Mode of Instruction Definitions

Accelerated: Accelerated programs are offered at a fast pace that condenses the time to completion. Students typically take enough credits aimed at completing the program in a year or two.

Evening/Weekend: Courses meet on the UW–Madison campus only in evenings and/or on weekends to accommodate typical business schedules. Students have the advantages of face-to-face courses with the flexibility to keep work and other life commitments.

Face-to-Face: Courses typically meet during weekdays on the UW-Madison Campus.

Hybrid: These programs combine face-to-face and online learning formats. Contact the program for more specific information.

Online: These programs are offered 100% online. Some programs may require an on-campus orientation or residency experience, but the courses will be facilitated in an online format.

Curricular Requirements

Organic Sustainable Production Emphasis

Students in the Master's Degree in Horticulture with Emphasis in Organic Sustainable Production must satisfy the specific course requirements outlined below. The student must also complete at least 30 credits while enrolled in Graduate School and write a master's thesis that is acceptable to the student's final examining committee.

- All students must have successfully completed 14 credits of Horticulture (http://guide.wisc.edu/courses/hort/) courses and 11 credits of Botany (http://guide.wisc.edu/courses/botany/) courses during their enrollment in the undergraduate and/or graduate program(s). It is possible to fulfill these horticulture and botany course credits from coursework at another institution, provided the student’s graduate committee approves the courses. No more than 3 credits of HORT 699 Special Problems may be counted towards this requirement.

Students must complete a minimum of 30 credits and 15 of these credits must be graduate level (up to 3 credits of 990 may be used to satisfy this 15 credit requirement, but HORT 699 Special Problems may not be used to satisfy this requirement). This requirement for 15 graduate-level credits can only be satisfied by classes taken while the student is enrolled in the master’s program.

- Students must complete at least 30 credits while enrolled in Graduate School and write a master's thesis that is acceptable to the student's final examining committee. Under special circumstances, a student's graduate committee may, with the written approval of the department chair, allow a student to complete their M.S. degree with an approved report instead of a thesis or with coursework only.

- Students in the Master’s Degree in Horticulture with Emphasis in Organic Sustainable Production must satisfy the specific course requirements outlined below. The student must also complete at least 30 credits while enrolled in Graduate School and write a master’s thesis that is acceptable to the student’s final examining committee.

<table>
<thead>
<tr>
<th>Code</th>
<th>Title</th>
<th>Credits</th>
</tr>
</thead>
<tbody>
<tr>
<td>F&amp;W ECOL/ BOTANY/ ZOOLOGY 460</td>
<td>General Ecology</td>
<td>4</td>
</tr>
<tr>
<td>AGROECOL 701</td>
<td>The Farm as Socio-Environmental Endeavor</td>
<td>3</td>
</tr>
<tr>
<td>AGROECOL 702</td>
<td>The Multifunctionality of Agriculture</td>
<td>3</td>
</tr>
<tr>
<td>HORT 345</td>
<td>Fruit Crop Production</td>
<td>3</td>
</tr>
<tr>
<td>HORT 370</td>
<td>World Vegetable Crops</td>
<td>3</td>
</tr>
<tr>
<td>PL PATH 300</td>
<td>Introduction to Plant Pathology</td>
<td>4</td>
</tr>
</tbody>
</table>
Horticulture, M.S.

PL PATH 517  Plant Disease Resistance  2-3
PL PATH 559  Diseases of Economic Plants  3

**Agronomy/Entomology (one course required)**

ENTOM 450  Basic and Applied Insect Ecology  3

**Soil Science (one course required)**

SOIL SCI/PL PATH 323  Soil Biology  3

SOIL SCI/AGRONOMY/HORT 326  Plant Nutrition Management  3

**Statistics**

STAT/F&W ECOL/HORT 571  Statistical Methods for Bioscience I  4

**Seminar (one course required)**

AGROECOL 710  Agroecology Seminar  1
HORT 910  Seminar  1

**Research (Total of 6 credits required)**

HORT 990  Research  1-12

1

These pathways are internal to the program and represent different curricular paths a student can follow to earn this degree. Pathways names do not appear in the Graduate School admissions application, and they will not appear on the transcript.

2

Students may speak with their committee regarding alternative courses to complete the seminar requirement.

**Additional Coursework**

At the discretion of the student’s major professor or master’s committee, additional remedial or advanced coursework may be required.

**Seminar Requirement**

Master’s degree students must enroll in a graduate level seminar class (1 credit) for at least one semester and obtain a passing grade for that class. Seminars offered by departments other than Horticulture may be used to satisfy this requirement.