

PLANT SCIENCE AND TECHNOLOGY, MS

REQUIREMENTS

MINIMUM GRADUATE SCHOOL REQUIREMENTS

Review the Graduate School minimum degree requirements (<https://guide.wisc.edu/graduate/#requirements>) and policies (<https://guide.wisc.edu/graduate/#policies>), in addition to the program requirements listed below.

MAJOR REQUIREMENTS

MODE OF INSTRUCTION

| Face to Face | Evening/ Weekend | Online | Hybrid | Accelerated |
|--------------|---------------------|--------|--------|-------------|
| Yes | No | No | No | No |

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

Requirement Detail

Minimum Credit Requirement 30 credits

Minimum Residence Credit Requirement 16 credits

Minimum Graduate Coursework Requirement 15 credits

Overall Graduate GPA Requirement 3.00 GPA required. Refer to the Graduate School: Grade Point Average (GPA) Requirement policy: <https://policy.wisc.edu/library/UW-1203> (<https://policy.wisc.edu/library/UW-1203/>).

Other Grade Requirements n/a

Assessments and Examinations Students must prepare and deposit a written thesis based on their research. The final oral exam is a combined thesis defense and assessment of knowledge in the field of Plant Science and Technology.

Language Requirements No language requirements.

REQUIRED COURSES

| Code | Title | Credits |
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Plant Science and Technology Foundation

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|--------------|--------------------------------|---|
| PLANTSCI 720 | Physiology of Plant Production | 3 |
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Seminar Requirement

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| PLANTSCI 920 | Seminar in Plant Science and Technology | 1 |
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Statistics Requirement

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| STAT/F&W ECOL 571 | Statistical Methods for Bioscience I | 4 |
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| STAT/F&W ECOL 572 | Statistical Methods for Bioscience II | 4 |
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or AN SCI 865 Design and Analysis of Biological Studies

Research Requirement

Students must complete at least 6 credits of research.

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| PLANTSCI 990 | Research | 1-12 |
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Plant Science and Technology Breadth

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| Students must complete at least 6 credits to satisfy the Plant Science and Technology Breadth requirement. Courses will be selected to meet the student's specific educational needs as determined through consultation with the student's advisor and members of their committee. This may come from elective courses and some common elective courses are listed below. | 6 |
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| BSE 305 | Introduction to Precision Agriculture |
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| PLANTSCI 310 | Plant Science and Technology in Cropping Systems |
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| PLANTSCI/A A E/ PL PATH 367 | Introduction to Organic Agriculture: Production, Markets, and Policy |
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| AGROECOL 370 | Grassland Ecology |
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| AGROECOL 377 | Global Food Production and Health |
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| PLANTSCI/ ATM OCN 532 | Environmental Biophysics |
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| AGROECOL/ ENVIR ST 724 | Agroecosystems and Global Change |
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Additional Coursework

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| The remainder of the coursework to meet the minimum credit requirement and graduate coursework requirement for the MS in Plant Science and Technology will be selected to meet the student's specific educational needs as determined through consultation with their advisor and members of their committee. | 6 |
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| Total Credits | 30 |
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