

PLANT SCIENCE AND TECHNOLOGY, PHD

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 51 credits

Minimum Residence Credit Requirement 32 credits

Minimum Graduate Coursework Requirement 26 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 defend a written research proposal for their thesis committee. Students must also complete an oral preliminary exam, which is administered by the thesis committee to assess knowledge in the field of Plant Science and Technology. Students must prepare and deposit a PhD thesis based on independent research, conduct a public exit seminar, and pass a final oral exam by their thesis committee.

Language Requirements No language requirements.

Graduate School Breadth Requirement All doctoral students are required to complete a doctoral minor or graduate/professional certificate. Refer to the Graduate School: Breadth Requirement in Doctoral Training policy: <https://policy.wisc.edu/library/UW-1200> (<https://policy.wisc.edu/library/UW-1200/>).

REQUIRED COURSES

Code	Title	Credits
Plant Science and Technology Foundation		
PLANTSCI 720	Physiology of Plant Production	3
Seminar Requirement		
Students must complete a minimum of 3 credits to satisfy the seminar requirement.		3
PLANTSCI 920	Seminar in Plant Science and Technology	
Statistics Requirement		
STAT/F&W ECOL 571	Statistical Methods for Bioscience I	4
STAT/F&W ECOL 572	Statistical Methods for Bioscience II	4
or AN SCI 865	Design and Analysis of Biological Studies	
Research Requirement		
Students must complete at least 8 credits of research.		
PLANTSCI 990	Research	1-12
Plant Science and Technology Breadth		
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
BSE 305	Introduction to Precision Agriculture	
PLANTSCI 310	Plant Science and Technology in Cropping Systems	
PLANTSCI/A A E/ PL PATH 367	Introduction to Organic Agriculture: Production, Markets, and Policy	
AGROECOL 370	Grassland Ecology	
AGROECOL 377	Global Food Production and Health	
PLANTSCI/ ATM OCN 532	Environmental Biophysics	
AGROECOL/ ENVIR ST 724	Agroecosystems and Global Change	
Graduate School Breadth Requirement		
In consultation with advisor, students will select the appropriate plan of coursework to meet this requirement.		9

Additional Coursework

The remainder of the coursework to meet the minimum credit requirement and graduate coursework requirement for the PhD 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. 14

Total Credits 51