

# PLANT SCIENCE, PH.D.

Plant Science

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**Academic Staff:** Please refer to the Plant Science staff listing (<https://umanitoba.ca/agricultural-food-sciences/plant-science/plant-science-faculty-and-staff/>).

## Plant Science Program Information

The Department of Plant Science offers programs leading to the Master of Science and the Doctor of Philosophy degrees.

## Admission Information

### Admission to the Faculty of Graduate Studies

Application and Admission Procedures are found in the Academic Guide (<https://catalog.umanitoba.ca/graduate-studies/academic-guide/application-admission-registration-policies/>).

Admission requirements for doctoral students are found in the Doctor of Philosophy General Regulations (<https://catalog.umanitoba.ca/graduate-studies/academic-guide/doctor-philosophy-general-regulations/>) section of the Guide.

### Plant Science Ph.D. Admission Requirements

Admission requirements are those of the Faculty of Graduate Studies.

## Application Information

Students should complete and submit their online application with supporting documentation by the date indicated on the Plant Science Ph.D. program of study (<https://umanitoba.ca/explore/programs-of-study/plant-science-phd/>) page.

## Degree Requirements

A minimum of 12 credit hours at the 7000 level is required and must include PLNT 7420 plus a thesis. Students must register, attend and participate in PLNT 7420 each term until program completion,

**Expected Time to Graduate:** 3.5 -4 years

### Progression Chart

Course	Title	Hours
<b>Year 1</b>		
GRAD 7300	Research Integrity Tutorial	0
GRAD 7500	Academic Integrity Tutorial	0
PLNT 7420	Advanced Plant Science Seminar (register for each year)	
Select courses (0-9 credit hours) as determined by advisory committee and student <sup>1</sup>		
GRAD 8000	Doctoral Thesis <sup>2</sup>	0
<b>Hours</b>		<b>0</b>

### Year 2

PLNT 7420	Advanced Plant Science Seminar (register for each year)	
Select courses (0-9 credit hours) as determined by advisory committee and student <sup>1</sup>		
GRAD 8010	Doctoral Candidacy Examination (to be completed in Year 2 or Year 3)	0
GRAD 8000	Doctoral Thesis <sup>2</sup>	0
<b>Hours</b>		<b>0</b>

### Year 3

PLNT 7420	Advanced Plant Science Seminar (register for each year, credit granted in final year)	3
Select courses (0-9 credit hours) as determined by advisory committee and student <sup>1</sup>		
GRAD 8010	Doctoral Candidacy Examination (to be completed in Year 2 or Year 3)	0
GRAD 8000	Doctoral Thesis <sup>2</sup>	0
<b>Hours</b>		<b>3</b>
<b>Total Hours</b>		<b>3</b>

<sup>1</sup> Credit hours as determined by advisory committee and student.

**Minimum credit hours required: 12.**

<sup>2</sup> An essential feature of Ph.D. study is the candidate's demonstration of competence to complete a research project and present the findings. The thesis must constitute a distinct contribution to knowledge in the major field of study, and the research must be of sufficient merit to be, in the judgement of the examiners, acceptable for publication.

## Registration Information

Students should familiarize themselves with the Faculty of Graduate Studies 'GRAD' courses applicable to their program (<https://catalog.umanitoba.ca/graduate-studies/registration-information/>). If you have questions about which GRAD course(s) to register in, please consult your home department/unit.

All students in the graduate program must meet with their advisor/ advisory committee to determine courses. Courses must be listed on the departmental approval form (available from the Plant Science General Office) and written approval granted from both the advisor and the department head or designate. Registration revisions are to be dealt with and approved in like manner. Not all courses are offered each year.

## Regulations

Students must meet the requirements as outlined in both Supplementary Regulation and BFAR documents as approved by Senate.

### Supplementary Regulations

Individual units may require specific requirements above and beyond those of the Faculty of Graduate Studies, and students should consult unit supplementary regulations (<https://umanitoba.ca/graduate-studies/supplementary-regulations/>) for these specific regulations.

### Bona Fide Academic Requirements (BFAR)

Bona Fide Academic Requirements (BFAR) (<https://catalog.umanitoba.ca/graduate-studies/academic-guide/academic-performance-general/#BFAR>) represent the core academic requirements

a graduate student must acquire in order to gain, and demonstrate acquisition of, essential knowledge and skills.

All students must successfully complete:

- GRAD 7300 prior to applying to any ethics boards which are appropriate to the student's research or within the student's first year, whichever comes first; and
- GRAD 7500 within the first term of registration;

unless these courses have been completed previously, as per Mandatory Academic Integrity Course (<https://catalog.umanitoba.ca/graduate-studies/academic-guide/academic-performance-general/#GRAD7500>) and Mandatory Research Integrity Online Course (<https://catalog.umanitoba.ca/graduate-studies/academic-guide/academic-performance-general/#GRAD7300>).

Students must also meet additional BFAR requirements (<https://umanitoba.ca/graduate-studies/student-experience/core-academic-requirements/#additional-requirements-by-program>) that may be specified for their program.

## General Regulations

All students must:

- maintain a minimum degree grade point average of 3.0 with no grade below C+,
- meet the minimum and not exceed the maximum course requirements, and
- meet the minimum and not exceed the maximum time requirements (in terms of time in program and lapse or expiration of credit of courses).