

# PHARMACEUTICAL SCIENCES, PH.D.

## Pharmacy

**Dean:** Dr. Hope Anderson

**Associate Dean(s):** Dr. Lavern Vercaigne (Academic), Dr. Ted Lakowski (Research)

**Grad Chair:** Dr. Jillian Stobart

**Campus Address/General Office:** Apotex Centre, 750 McDermot Avenue

**Telephone:** 204-474-9306

**Fax:** 204-789-3744

**Email Address:** [pharmacy@umanitoba.ca](mailto:pharmacy@umanitoba.ca)

**Website:** [umanitoba.ca/pharmacy/](http://umanitoba.ca/pharmacy/) (<https://umanitoba.ca/pharmacy/>)

**Academic Staff:** Please see the Pharmacy website (<https://umanitoba.ca/pharmacy/faculty-staff/>) for Academic staff information.

## Pharmaceutical Sciences Program Information

The College offers both Master of Science and Doctor of Philosophy degrees.

## Admission Information

### Admission to the Faculty of Graduate and Postdoctoral 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.

### Pharmaceutical Sciences Ph.D. Admission Requirements

- The applicant must negotiate with faculty researchers for a traineeship position.
- Applicants must hold a Master of Science degree in Pharmacy or related field from a recognized university with a cumulative GPA of at least 3.0 (4.5 scale), based on the last 60 credit hours (or two full years or equivalent) of university study.

## Application Information

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

## Degree Requirements

All programs are established on an individual basis; the following general principles apply:

- Where admission to the Ph.D. is directly from a Master's Degree, a minimum of 12 credit hours at the 7000 level or higher plus a thesis is required. For those students who hold a Master's degree, a maximum of 24 credit hours of course work is allowed toward the Ph.D. program.

- Students must complete PHRM 7260 in the first year of their program. Students may subsequently take PHRM 7270 as an elective to meet their credit hour requirements.
- Students registered full time in the Ph.D. program are required to attend and participate in the Pharmacy Graduate Seminar Series, where they must present at least one research seminar annually.
- Students who transfer from the M.Sc. to the Ph.D. program in Pharmaceutical Sciences, having completed PHRM 7160, may take PHRM 7270 as an elective to meet their credit hour requirements. Normally, students will not be permitted to take PHRM 7260 unless their research project is notably different from that presented in PHRM 7160. In that case, the student must obtain approval from their advisor and Chair of the PGSC to take PHRM 7260.
- Students are expected to enroll on a 12-month basis and conduct research during the summer months.
- Students registered in the M.Sc. program who have made excellent progress over the first 12 months in their program may be considered for transfer to the Ph.D. program. The transfer must be completed within 16 months (4 terms) of the student's commencement in the Master's program.
- The College of Pharmacy offers a concentration in Pharmacoepidemiology. The course requirements for students entering the Ph. D. program already holding a Master degree, include 12 credit hours in the Ph.D. (6 CH of core and 6 CH of elective). Students transferring from the Master's to the Ph.D. will require a total of 24 CH to complete their program.

**Expected Time to Graduate:** 4 years

## Progression Chart

\* Where admission to the Ph.D. is directly from a Master's degree

| Course  | Title                          | Hours     |
|---|--------------------------------|-----------|
| <b>Year 1</b>   |                                |           |
| GRAD 7300   | Research Integrity Tutorial    | 0         |
| GRAD 7500   | Academic Integrity Tutorial    | 0         |
| GRAD 8020   | Doctoral Re-registration       | 0         |
| PHRM 7260   | Pharmacy Seminar 1 PhD         | 3         |
|   | <b>Hours</b>                   | <b>3</b>  |
| <b>Years 1-5</b>  |                                |           |
| Select courses designated 7000 or above to be completed during the program (not restricted to PHRM courses) |                                | 9         |
|   | <b>Hours</b>                   | <b>9</b>  |
| <b>Year 2</b>   |                                |           |
| GRAD 8020   | Doctoral Re-registration       | 0         |
|   | <b>Hours</b>                   | <b>0</b>  |
| <b>Year 3</b>   |                                |           |
| GRAD 8020   | Doctoral Re-registration       | 0         |
| GRAD 8010   | Doctoral Candidacy Examination | 0         |
|   | <b>Hours</b>                   | <b>0</b>  |
| <b>Years 4-5</b>  |                                |           |
| GRAD 8020   | Doctoral Re-registration       | 0         |
| GRAD 8000   | Doctoral Thesis                | 0         |
|   | <b>Hours</b>                   | <b>0</b>  |
|   | <b>Total Hours</b>             | <b>12</b> |

**Notes:**

- Please note students transitioning from the MSc to PhD program will vary from the progression charts listed above.
- Students must continue their enrollment in GRAD 7020 and GRAD 8020 if their program length varies from the above charts.

- 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).

## Registration Information

Students should familiarize themselves with the Faculty of Graduate and Postdoctoral 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 determine their program courses with their advisor/advisory committee.

Courses must be listed on the Program of Study Form.

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 and Postdoctoral 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: