

BIOLOGICAL SCIENCES, M.SC.

Biological Sciences

Head: Dr. Gary Anderson

Campus Address/General Office: 212 Biological Sciences Building

Telephone: 204-474-9245

Fax: 204-474-7604

Email Address: biograd@umanitoba.ca

Website: umanitoba.ca/science/biological-sciences (<https://umanitoba.ca/science/biological-sciences/>)

Biological Sciences Program Information

The department offers graduate training leading to Master of Science and Doctor of Philosophy degrees in a broad range of biological disciplines in both field and laboratory research.

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 Master's students are found in the Master's Degrees General Regulations (https://catalog.umanitoba.ca/graduate-studies/academic-guide/masters-degrees-general-regulations/#Admission_FGSMasters) section of the Guide.

Biological Sciences M.Sc. Admission Requirements

Applicants are required to have a 4-year undergraduate degree in Biology (or equivalent). If a student applies with a three-year general B.Sc. degree or equivalent, a pre-Master's program must be taken which will be individually prescribed.

Application Information

Students should complete and submit their online application with supporting documentation by the date indicated on the Biological Sciences M.Sc. program of study (<https://umanitoba.ca/explore/programs-of-study/biological-sciences-msc/>) page.

Degree Requirements

The program requires completion of a research thesis and coursework consisting of a minimum of one core course and one additional BIOL 7000 course. Study and research will extend to a minimum of twelve months. All students must submit a research-based thesis and defend it orally.

Expected Time to Graduate: 2 years

Progression Chart

Course	Title	Hours
Year 1		
GRAD 7300	Research Integrity Tutorial	0
GRAD 7500	Academic Integrity Tutorial	0
BIOL 7100	Core Skills in Biological Sciences Research	3
BIOL 7XXX	Major subject at 7000 level	3
Hours		6

Year 2

GRAD 7020	Master's Re-registration	0
GRAD 7000	Master's Thesis	0
Hours		0
Total Hours		6

Note:

- Students are also required to submit a MSc proposal to their advisory committee within the first 6 months of their program. In addition, a progress report meeting must be held yearly to track progress in the program.

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.

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).