FACULTY OF GRADUATE STUDIES

BIOSCIENCE, TECHNOLOGY AND PUBLIC POLICY (MSc)

The Master of Science (MSc) in Bioscience, Technology and Public Policy is a research-intensive degree that provides advanced training in the life sciences while also helping students place life sciences research into the broader context of a modern society.

This program provides students with theoretical background and technical skill in their field of biology, while also helping them understand the implications of bioscience research for policy development and develop skills to communicate about their research to a range of audiences. Our students are trained in science and ethics, science and public policy and science in the context of national and international issues.

Students in the program spend the bulk of theTjEMC eeratics, cell biology,

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dit hours of courses which provides training in
s and non-scientists and technical skill in
maximum is 5 years.

SAMPLE CAREERS

This graduate program is designed to provide an excellent basis for a Ph.D. in Biology and related fields. In addition, our graduates are well-qualified for employment in industry, the public-sector, and academia. Below are a few examples of careers and Ph.D. positions obtained by our students following graduation:

- Fish and Habitat Protection Biologist, Department of Fisheries and Oceans, Canada
- Laboratory Technician, National Microbiology Laboratory
- Biologist, Wood Environment and Infrastructure Solutions, Inc.
- NSERC Canada Graduate Scholar Ph.D. Candidate, Department of Organismal and Evolutionary Biology, Harvard University
- Vanier Canada Graduate Scholar Ph.D. Candidate, Natural Resource Sciences, McGill University

SAMPLE COURSES

Bioscience and Policy This course focuses on the relationship between government, industry and the academic sciences and the processes that shape science policy. Students gain a better understanding of the role of science policy in government and industry and where policy issues "fit" with respect to legislation and regulations, management planning and implementation, procedures and guidelines.

Current Topics in Genetics & Genomics The field of Genetics has experienced explosive change in recent years. Advances in molecular techniques and computer sciences make it feasible to address old questions and raise new ones. A consequence of this advancement is the birth of Genomics and the evolution of the field into structural, functional and comparative genomics. This course is a combination of readings, oral presentations and discussions that examine current topics in the field.

MORE SAMPLE COURSES

- **Molecular Biotechnology**
- **Seminars in Biology**
- **Current Topics in Ecology**
- **Geographic Information Analysis**

ADMISSION REQUIREMENTS

Applicants to the program must hold a recognized 4-Year Bachelor of Science or equivalent with a minimum overall GPA of 3.0 (70%) and no grade less than C+ in the last two years of full-time university study.

English Requirement (if applicant's first language is not English): Minimum TOEFL score 550 (paper-based), 213 (computer-based), (80) internet-based OR International English Language Testing System IELTS (6.5) OR Duolingo (120). Test must have been taken within two years of the date a completed application is filed. See UWinnipeg English Language Requirements

HOW TO APPLY

1. Before applying, students should consult the list of potential supervisors available here. Students should