

## Careers in MFB

The Marine and Freshwater Biology major capitalizes on Guelph's recognized excellence in aquatic research. In this major, you will build upon core courses in ecology, evolution, genetics, physiology and zoology as you study freshwater and marine environments and work with aquatic organisms experimentally in the field and the lab. You will also look at the ecology of these systems from both biological and physical science perspectives as well as consider management and conservation issues. You will have the opportunity to participate in field courses in arctic, tropical and temperate regions. There is also ample opportunity to participate in exchange programs with Universities in Europe, New Zealand, Australia and Fiji. The state-of-the-art Hagen Aqualab on campus allows researchers and students to simulate global aquatic environments and maintain a wide variety of marine and freshwater flora and fauna in Guelph. This program prepares students for post-graduate work in the aquatic sciences, and provides a sound scientific background for students wishing to pursue careers in biology, management and conservation, aquaculture, biotechnology, education, and research either in government or private sectors.

### Primary careers

- Marine Biologist
- Limnologist
- Oceanographer
- Stream Ecologist
- Environmental Biologist
- Environmental Consultant
- Aquaculture Specialist
- Fisheries Biologist
- Conservation Biologist

### Related careers

- Aquaculture
- Bioinformatician
- Biotechnology Researcher
- Laboratory Researcher/Technician
- Environmental Policy Analyst
- Public outreach and education specialist
- Curator

### What can I do with further education

- Animal Health Technologist
- Physician
- Environmental Lawyer
- Veterinarian
- Research Scientist/Faculty
- Teacher
- Pathologist

## Who hires MFB graduates?

- Universities
- Government (conservation authorities, provincial and federal departments)
  - [Grand river Conservation Authority](#)
  - [Environment Canada](#)
  - [OMAFRA](#)
  - [Canadian Food Inspection Agency](#)
- Fisheries Organizations (aboriginal, commercial and recreational)
  - [Great Lakes Fisheries Commission](#)
  - [Fisheries and Oceans Canada](#)
- Environmental NGOs and Research Foundations
  - [Trout Unlimited](#)
- Museums
  - [Royal Ontario Museum](#)
  - [Museum of Natural History Ottawa](#)
- Zoos, Aquaria
  - [Toronto Zoo](#)
  - [Ripley's Aquarium of Canada](#)
- Pet care and food industry

## Companies that have posted on “Recruit Guelph” for this major

- Aquaculture Technician – Sand Plains Aquaculture
- Aquatic Ecosystem Biologist – Ontario Public Service
- Field Biologist/Crew Leader – Ecofor Consulting Ltd.
- Field Technologist – Alberta Innovates Technology Futures
- Junior Toxicologist/Risk Assessor – MTE Consultants
- R&D – Plant Pathologist – Agri-Neo

## MFB related websites

### Career information

- [Recruit Guelph](#)
- [Centers of Disease Control and Prevention](#)
- [MarineBio](#)
- [Marine Careers](#)
- [Science Careers](#)
- [Wildlife Conservation Society](#)
- [ASLO Aquatic Careers](#)
- [AGU - Career Page](#)
- [AGU Paths Through Science](#)
- [AGU - information on the Geophysics workforce](#)

### Jobs/Positions offered

- [\*\*ASLO Student Opportunities\*\*](#)
- [\*\*ASLO Jobs\*\*](#)
- [AGU - Jobs](#)
- [IAGLR Jobs](#)
- [SCL Jobs](#)
- [SFS Jobs](#)
- [SFS Student and Postdoc positions](#)

### Scientific societies related to MFB

- Association for the Sciences of Limnology and Oceanography (ASLO) - [ASLO](#)
- International Association for Great Lakes Research (IAGLR) - [IAGLR](#)
- Society of Canadian Limnologists (SCL) [SCL](#)
- Society for Freshwater Science (SFS) - [SFS](#)
- American Geophysical Union (AGU) - [AGU](#)

### Other links to website relevant for MFB

- [ECO Canada - Limnologist](#)
- [Education Portal - Limnologist](#)
- [MyMajors Aquatic Biology/Limnology](#)
- MarineWeb: <http://life.bio.sunysb.edu/marinebio/>
- OceanLink: <http://oceanlink.island.net>
- Sea Grant : <http://www.marinecareers.net>
- Center for Limnology (U. Wisconsin): <http://www.limnology.wisc.edu>