

PhD in Fisheries Science (with four years of funding)

Newfoundland has a rich history of fisheries and a culture that is closely connected to the sea. Following the collapse of the northern cod stock, fisheries catches for invertebrates such as snow crab and northern shrimp increased. In recent years, crab and shrimp catches have declined while cod has not yet recovered. Single species approaches struggle to explain such dynamics, emphasizing the need to undertake analyses at the ecosystem scale.

Seeking a highly motivated PhD student to join a team investigating ecosystem dynamics in Newfoundland, Labrador, and the Arctic. This project will involve synthesis of datasets related to relevant ecosystem components and associated fisheries and will involve ecosystem model development. Models will be applied to answer questions related to ecosystem dynamics, fisheries impacts, management strategy evaluation, and projected climate change impacts.

Location: The candidate will be registered in a four year fully funded PhD program in Fisheries Science in the School of Fisheries at the Fisheries and Marine Institute of Memorial University of Newfoundland, St. John's, Canada (<https://mifisheriesscience.github.io/programdocs/>). Memorial University is a hub of ocean sciences located in the Province's capital, St. John's – a safe and friendly city with great historical charm, a vibrant cultural life, and easy access to wilderness and a wide range of outdoor activities.

Requirements:

- MSc in Fisheries Science/Ecology, Statistics, Mathematics, Marine Ecology/Biology, Oceanography or related discipline
- Demonstrated quantitative skills and experience with R, Python or Matlab
- Strong writing and communication skills

Start date: Sept 2020 (although an earlier start date is possible)

To apply: Please send a cover letter explaining your relevant experience to, and interest in, the position, CV with two academic references, and university transcripts to Dr. Tyler Eddy tyler.eddy@mi.mun.ca. Application deadline is May 15th, 2020.