MASTER’S DEGREE (ONLINE)

TECHNOLOGY MANAGEMENT
(AQUACULTURE TECHNOLOGY)

Master the strategic planning, decision-making and technology management skills needed for leading senior-level positions in aquaculture organizations.
PROGRAM DESCRIPTION

The Marine Institute’s Master of Technology Management (Aquaculture Technology), focuses on strategic planning, decision making, aquaculture technology management, as well as the structure and operation of technology-based organizations. This online program will help you harness the power of your expertise to stand out as an aquaculture managerial candidate in your organization and advance in your career.

This online, course-based program provides a core of technology courses together with elective options that offer opportunities to focus in a variety of aquaculture technology areas.

For more information and to apply, visit www.mi.mun.ca/mtma.
# Program Structure

Participants will complete course work offered by the Fisheries and Marine Institute, Memorial University.

## Option 1
- Two core courses (6 credit hours)
- Six elective courses (18 credit hours)
  - At least one from Category A
  - At least three from Category B
- Project in Aquaculture Technology Management (6 credit hours)

## Option 2
- Two core courses (6 credit hours)
- Eight elective courses (24 credit hours)
  - At least one from Category A
  - At least three from Category B

## Core Courses
- MSTM 6031: Overview of Technical Operations
- MSTM 6032: Managing Technological Innovation

## Electives Category A
- MSTM 6022: Communication and Conflict Resolution in a Technical Environment
- MSTM 6023: Strategic Planning, Policy, Participation and Management in Technical Operations
- MSTM 6033: Quality Systems
- MSTM 6034: Project Management in the Offshore, Health, Fisheries and Engineering Technology Environments
- MSTM 6037: Risk Analysis and Operations in the Engineering Technology Sector
- MSTM 6039: Sustainability and Environmental Responsibility
- MSTM 6052: Management of Intellectual Property
- MSTM 6056: Management of International Development

## Electives Category B
- MSTM 6071: Management of Aquaculture Technology
- MSTM 6072: Animal Husbandry Management
- MSTM 6073: Aquaculture Environmental Management
- MSTM 6074: Aquaculture Site and Operational Assessment
- MSTM 6078: Aquaculture Engineering Technology Management

## Project Option
- MSTM 6102: Project in Aquaculture Technology Management (6 credit hours)

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# Admission

## Requirements

Admission to the Program is on a competitive basis.

Applicants must meet Memorial University School of Graduate Studies' admission requirements.

In addition, to be considered for admission to the Aquaculture Technology Option an applicant will normally possess a second class or better undergraduate degree from a university of recognized standing and will normally have:

- A post-graduate aquaculture credential or an aquaculture focus in their undergraduate degree; or significant professional experience in the aquaculture industry; and
- A minimum of two (2) years relevant employment experience.

## How to Apply

Applicants should submit their application to Memorial University’s School of Graduate Studies by the following deadlines:

- **Fall Admission (September) – May 15**
- **Winter Admission (January) – September 15**

For more information and to apply online, go to [www.mun.ca/become/graduate/apply](http://www.mun.ca/become/graduate/apply).
## COURSE SELECTION CHART

<table>
<thead>
<tr>
<th></th>
<th>PROJECT OPTION (8 COURSES + PROJECT)</th>
<th>COURSE ROUTE (10 COURSES)</th>
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<tbody>
<tr>
<td><strong>CORE COURSES</strong></td>
<td>COMPLETE 2</td>
<td>COMPLETE 2</td>
</tr>
<tr>
<td>MSTM 6031 - Overview of Technical Operations</td>
<td>✓</td>
<td>✓</td>
</tr>
<tr>
<td>MSTM 6032 - Managing Technological Innovation</td>
<td>✓</td>
<td>✓</td>
</tr>
<tr>
<td><strong>ELECTIVE COURSES: CATEGORY A</strong></td>
<td>CHOOSE AT LEAST 1</td>
<td>CHOOSE AT LEAST 1</td>
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<tr>
<td>MSTM 6022 - Communication and Conflict Resolution in a Technical Environment</td>
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<td>MSTM 6036 - Management of International Development</td>
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<tr>
<td><strong>ELECTIVE COURSES: CATEGORY B</strong></td>
<td>CHOOSE AT LEAST 3</td>
<td>CHOOSE AT LEAST 3</td>
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<tr>
<td>MSTM 6071 - Management of Aquaculture Technology</td>
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<tr>
<td>MSTM 6072 - Animal Husbandry Management</td>
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<td>MSTM 6073 - Aquaculture Environmental Management</td>
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<tr>
<td>MSTM 6074 - Aquaculture Site and Operational Assessment</td>
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<tr>
<td>MSTM 6075 - Aquaculture Engineering Technology Management</td>
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<tr>
<td><strong>PROJECT OPTION</strong></td>
<td>COMPLETE</td>
<td>DO NOT COMPLETE</td>
</tr>
<tr>
<td>MSTM 6102 - Project in Aquaculture Technology Management (6 credit hours)</td>
<td>✓</td>
<td>N/A</td>
</tr>
</tbody>
</table>

This chart is for reference only. Follow the University Calendar for course descriptions and regulations for your program. The information provided here is subject to change. The University Calendar is the final authority on university and program regulations.

## PROGRAM DELIVERY AND SUPPORT

The overall structure of the program is course-based with courses offered online by the Fisheries and Marine Institute of Memorial University. This is fully supported by Centre for Innovation in Teaching and Learning (CITL). Brightspace is used as the main content delivery method and provides a virtual classroom for each course in the program.

Students can avail of all the services and support offered by the Marine Institute and Memorial University including access to the extensive University Library System resources and to Help Desk support available through CITL for technical issues related to Brightspace.

## ABOUT THE MARINE INSTITUTE

As a campus of Memorial University of Newfoundland, the Fisheries and Marine Institute is Canada’s most comprehensive centre for education, training, applied research and industrial support for the ocean industries.

Located on the edge of the Atlantic Ocean, we are one of the most respected centres of marine learning and applied research in the world.

The Marine Institute provides more than 20 industry-driven programs ranging from technical certificates to master’s degrees. In addition to undergraduate and graduate degrees, the Institute offers advanced diplomas, diplomas of technology and technical certificates.

The Institute also runs a variety of short courses and industrial response programs. All programs and courses are designed to provide students with knowledge and skills required for success in the workforce.

The Institute has three Schools — the School of Fisheries, the School of Maritime Studies and the School of Ocean Technology — and within these Schools a number of specialized centres and units.

These centres and units lead the Institute, both nationally and internationally, in applied research and technology transfer and in the provision of training to a variety of industry clients.