MARITIME MANAGEMENT

MASTER’S DEGREE (ONLINE)

Train for a leading role in maritime-based organizations.
PROGRAM DESCRIPTION

The Master of Maritime Management (MMM) is an innovative program, the first of its kind in Canada, providing professional development opportunities for working, career-minded professionals. The online program helps provide the skills and knowledge necessary to effectively manage the diversity of operations found in the challenging maritime sector.

This program is offered fully online, and applicants from the global community are invited to apply.

For more information and to apply, visit www.mi.mun.ca/mmm.

PROGRAM OBJECTIVE

The Master of Maritime Management program will help provide graduates with strategic planning and decision making skills in the context of maritime organizations. Graduates will gain deep understanding of the nature, structure and operation of maritime activities, and the factors that influence business decisions and the success of maritime-oriented organizations.

The Program enhances career development opportunities for entry-level managers or those looking to become managerial professionals. This program provides professionals with a number of career paths, including:

- Managers in maritime organizations
- Marine surveyors and consultants
- Maritime regulators and policy makers
- Entrepreneurs in maritime ventures
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 Maritime 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 four from Category B

CORE COURSES
MSTM 6041 Marine Policy
MSTM 6042 Business of Shipping / Transportation of Goods

ELECTIVES CATEGORY A
MSTM 6022 Communication and Conflict Resolution in a Technical Environment
MSTM 6023 Strategic Planning, Policy, Participation and Management of Technical Operations
MSTM 6030 Principles of Management for Engineering Technology Enterprises
MSTM 6034 Project Management in the Offshore, Health, Fisheries and Engineering Technology Environments
MSTM 6039 Sustainability and Environmental Responsibility
MSTM 6052 Management of Intellectual Property
MSTM 6054 Technology Assessment

ELECTIVES CATEGORY B
MSTM 6027 Coastal and Ocean Environmental Policies
MSTM 6043 Marine Law
MSTM 6044 Marine Environment Law and Pollution Control
MSTM 6045 Port Operations and Management
MSTM 6046 Information Systems in the Marine Environment
MSTM 6047 Maritime Security and Event Investigation
MSTM 6048 Emerging Issues in International Marine Transportation
MSTM 6049 Maritime Risk Analysis and Management
MSTM 6050 Maritime Health, Safety, Environment and Quality
MSTM 6051 International Maritime Compliance and Business Continuity Planning

PROJECT OPTION
MSTM 6101 Project in Maritime Management (6 credits hours)

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 program an applicant will normally possess a second class or better undergraduate degree from a university of recognized standing and will normally have:

- A Memorial University Bachelor of Maritime Studies or Bachelor of Technology, or a comparable undergraduate degree with appropriate maritime sector and business management course work; and
- Appropriate technical knowledge and relevant marine sector employment experience.

HOW TO APPLY

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

- FALL ADMISSION – MAY 15
- WINTER ADMISSION – SEPTEMBER 15
- SPRING ADMISSION – JANUARY 15

For more information and to apply online, go to www.mun.ca/become/graduate/apply.
COURSE DESCRIPTIONS

MSTM 6022 - COMMUNICATION AND CONFLICT RESOLUTION IN A TECHNICAL ENVIRONMENT
This course provides participants with an understanding of the basic principles of conflict resolution, negotiation, and effective communication and interpersonal skills. The skills taught will enable students to diagnose, understand, and accept a role in the negotiation and management of conflicts between individuals and groups in an organizational context, to investigate and solve problems and manage conflicts within the workplace.

MSTM 6023 - STRATEGIC PLANNING, POLICY, PARTICIPATION AND MANAGEMENT IN TECHNICAL OPERATIONS
This course is designed to give participants an understanding of the strategic planning and policy development needs and functions of an organization. The course will examine current concepts, approaches and, specifically, the critical role of managers and leaders in the areas of planning, policy development, problem solving and decision making. Strategic planning and policy development in the business must be led by managers who provide overall vision, coordination, decisions on allocation of resources, communication and ongoing commitment, evaluation and support.

MSTM 6027 - COASTAL AND OCEAN ENVIRONMENTAL POLICIES
This course provides a detailed review of environmental protection policies enacted by a number of national jurisdictions together with international conventions and the framework for governing ocean resources and the ocean environment outside the limits of these jurisdictions. It considers the strengths and weaknesses of these policies and of the legal frameworks in which they are enacted and the effectiveness of existing conventions, as well as their impact on the business of shipping.

MSTM 6030 - PRINCIPLES OF MANAGEMENT FOR ENGINEERING TECHNOLOGY ENTERPRISES
This course introduces students to core competencies for the effective management of a technology-based enterprise. Students will explore the essentials of human resource management, performance management, financial operations, marketing and workplace ethics for engineering technology-based enterprises.

MSTM 6034 - PROJECT MANAGEMENT IN THE OFFSHORE, HEALTH, FISHERIES AND ENGINEERING TECHNOLOGY ENVIRONMENTS
This course will include an overview of project management. This course will include presentations, discussions, and case-based analysis around project planning and monitoring, resource planning, budgeting and cost controls, assessing and managing risks, managing team work, effective communications, quality control, and negotiations and contracts.

MSTM 6039 - SUSTAINABILITY AND ENVIROMONMENTAL RESPONSIBILITY
This course focuses on tools that can be applied within organizational strategies for sustainability and social responsibility. Students will examine case studies and identify potential opportunities for improvement through the use of environmental auditing, performance reporting, selection of indicators, environmental risk assessment, modeling and environmental accounting. The course will also address global issues such as climate change and carbon trading.

MSTM 6041 - MARINE POLICY
This course deals with aspects of national and international marine policy as it impacts upon the management of marine operations. It includes the examination of the roles of the International Maritime Organization and other international and national agencies, environmental and safety issues, and quality issues.

MSTM 6042 - BUSINESS OF SHIPPING/TRANSPORTATION OF GOODS
This course examines the Canadian and international shipping business. It will include an examination of shipping operations, ship finance, marine markets, safety and security issues, and the transportation of goods. The issues are addressed from a holistic business management perspective.

MSTM 6043 - MARINE LAW
This course surveys national and international law relating to shipping and the marine environment. It includes the roles and responsibilities of private and public national agencies; jurisdiction and decisions on carriage of goods by sea; international conventions; security issues; liability; safety and environmental regulations and their impact on marine operations management decision-making.

MSTM 6044 - MARINE ENVIRONMENT LAW AND POLLUTION CONTROL
This course focuses on domestic & international issues of marine environment, such as pollution control and prevention. Students will consider the roles of legislation, jurisdiction, organizational structures, international agreements, transboundary issues, and rights of coastal states in addressing marine environmental problems with regards to shipping.

MSTM 6045 - PORT OPERATIONS AND MANAGEMENT
This course provides an overview of port and terminal management issues, including port resources and infrastructure, scheduling of port resources, port performance and efficiency, port development, impact of technological change on port management, port security.

MSTM 6046 - INFORMATION SYSTEMS IN THE MARINE ENVIRONMENT
This course provides a survey of topics in information systems (IS) and information technology (IT) from a marine management perspective. Topic areas include: IS roles in decision making, approaches to data management, applications of marine communications technology, security and electronic data interchange.

MSTM 6047 - MARITIME SECURITY AND EVENT INVESTIGATION
This course examines contemporary port, coastal and ocean security issues, and explores the role of national and international agencies; international conventions; marine safety systems (ISM); safety and security audit/inspection (ISM / SSP Code).

MSTM 6048 - EMERGING ISSUES IN INTERNATIONAL MARINE TRANSPORTATION
The course deals with issues having an impact on the international shipping business, such as the globalization of economic activity, privatization of port management and marine services; impact of technological change; impact of national and international environmental legislation; coastal waters and port security; maritime personnel shortages.

MSTM 6049 - MARITIME RISK ANALYSIS AND MANAGEMENT
This course addresses the administrative and decision-making processes of managing risk and uncertainty in the marine industry, risk identification with respect to the various types of marine exposures and methods of identifying such exposures; risk analysis with respect to organizational objectives and significance; risk control with respect to preventing marine losses; risk financing with respect to the retention and transfer of maritime risk; selecting and implementing risk management techniques; monitoring and improving the risk management program adopted by the international shipping organization.

MSTM 6050 - MARITIME HEALTH, SAFETY, ENVIRONMENT AND QUALITY
This course examines the roles and responsibilities of a Health, Safety, Environment and Quality (HSEQ) department within a shipping company. Students will understand the importance of recognizing and serving the human element in relation to industry operations and critical incidents. Students will examine the HSEQ manager’s role in supporting operations, often in the center of the interface between high-paced marine operations and organized labour. This course exposes students to the delicate balance and dynamics between operations and HSEQ especially when a company’s HSEQ model is step-changing upwards beyond regulatory compliance.

MSTM 6051 - INTERNATIONAL MARITIME COMPLIANCE & BUSINESS CONTINUITY PLANNING
The course deals with business continuity planning & international compliance issues as they impact upon the management of maritime operations. Students will be introduced to the ideas & concepts of managing risk across the areas of: marine safety; maritime security; & environmental protection. By examining a number of inter-related ideas and concepts the course will provide students with a number of compliance methods to effectively manage risk.

MSTM 6052 - MANAGEMENT OF INTELLECTUAL PROPERTY
Intellectual Property (IP), as a strategic corporate asset has become a key factor in modern knowledge-based organizations. This course will consider the Intellectual Property tools necessary to effectively protect IP. Furthermore, this course will discuss the best strategies and approaches for value creation through the use of Intellectual Property Rights.

MSTM 6054 - TECHNOLOGY ASSESSMENT
This course introduces students to the methods and tools applied in technology assessment. Technology assessment is of growing importance to technology management and research. In this course, students will review the common technology assessment approaches used for government and non-government uses, including risk assessment decision analysis, impact analysis, cost-benefit analysis, roadmapping and system dynamics.

Project Option
MSTM 6101 - PROJECT IN MARITIME MANAGEMENT
Students will choose a topic in consultation with the Academic Director and Project Supervisor. Students will work independently to carry out an in-depth study of a problem or application within the area of maritime management and fully document and present their findings. Preferably the problem will be directly related to a workplace situation. The resulting paper will be evaluated by two examiners.
## COURSE SELECTION CHART

<table>
<thead>
<tr>
<th>CORE COURSES</th>
<th>PROJECT OPTION (8 COURSES + PROJECT)</th>
<th>COURSE ROUTE (10 COURSES)</th>
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<tbody>
<tr>
<td>MSTM 6041 Marine Policy</td>
<td>COMPLETE 2</td>
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<th>DO NOT COMPLETE</th>
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<tr>
<td>MSTM 6101 Project in Maritime Management (6 credit hours)</td>
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### 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.

Students enjoy a learning environment where small class sizes are the rule, hands on instruction is a way of life and competitive tuition rates put an internationally-recognized education well within reach.

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.
CONTACT INFORMATION

GRADUATE STUDENT RECRUITMENT OFFICER
Division of Academic and Student Affairs
Fisheries and Marine Institute of
Memorial University of Newfoundland

Telephone: 709.778.0395
Toll-free: 1.800.563.5799, ext. 0395

recruitment@mi.mun.ca
www.mi.mun.ca/mmm
www.mun.ca/become/graduate

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