



Fisheries and Marine Institute
of Memorial University of Newfoundland

BACHELOR DEGREES

2019 - 2020


MARINE INSTITUTE


MEMORIAL
UNIVERSITY

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As part of Memorial University, the Marine Institute provides you with credentials that are recognized around the world. As the largest institute of its kind in Canada, Marine Institute offers a suite of bachelor programs that are found nowhere else in the country.

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FIND YOUR PATH. CHANGE YOUR WORLD.

Welcome to 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 doctorate degrees. In addition to undergraduate and graduate degrees, the Institute offers advanced diplomas, diplomas of technology and technical certificates.

The Institute also offers 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.

MARITIME STUDIES

(MARITIME MANAGEMENT)

PROGRAM DESCRIPTION

In the Bachelor of Maritime Studies, Major in Maritime Management program, you'll study the impact of human resources, economics, marketing and quality management on today's marine industry. This is a unique, professional degree that provides you with an exposure to business, as well as the marine and technology management concepts necessary to ensure your success in it. This program is offered online with select courses available on campus.

PROGRAM OBJECTIVE

The Bachelor of Maritime Studies degree will provide graduates with an in depth understanding of best practices for maritime industries. Students will enhance their career opportunities by gaining knowledge in areas such as marine environmental management, risk management, and trends and issues in shipping.

PROGRAM STRUCTURE

This program consists of 13 courses (39 credit hours), and is offered online with select courses available on campus. It is comprised of seven required courses (21 credit hours), and six elective courses (18 credit hours).

ADMISSION REQUIREMENTS

In addition to meeting the admission/readmission requirements for the University, students must also meet the admission/readmission requirements for the Marine Institute. Applicants must meet the general admission/readmission requirements of the University and be eligible for admission to the Bachelor of Maritime Studies program in one of the following categories:

CATEGORY A:

applicants holding a diploma from the Marine Institute in nautical science, marine engineering technology, naval architecture technology or marine engineering systems design technology

CATEGORY B:

applicants holding a Canadian Technology Accreditation Board accredited, or Transport Canada approved, diploma in marine engineering technology or nautical science

PROGRAM AT A GLANCE

Full Time / Part Time

START DATE

September, January, May

PROGRAM

39 credit hours

PLACE OF STUDY

Online with select courses available on campus

Learn More:

www.mi.mun.ca/bms

DEADLINES TO APPLY

Fall Admission	Winter Admission	Spring Admission
June 30 - Official Transcripts due July 15	October 15 - Official Transcripts due October 30	March 15 - Official Transcripts due March 30

CATEGORY C:

applicants holding a Canadian or non-Canadian diploma similar to an accredited or Transport Canada approved Marine Institute diploma in nautical science, marine engineering technology, naval architecture technology or marine engineering systems design technology

CATEGORY D:

applicants holding a Transport Canada Certificate of Competency at the Master Mariner, Fishing Master First Class or Engineering First Class level or equivalent

CATEGORY E:

applicants who have Canadian Forces (Naval Operations) training acceptable to the Admissions Committee.

Applications to the program will be considered by the appropriate admissions committee(s).

In accordance with the UNIVERSITY REGULATIONS - Residence Requirements - Second Degree, students completing the Bachelor of Maritime Studies Program, as a second degree, must complete all required courses within the Bachelor of Maritime Studies Program.



COURSE SELECTION CHART

REQUIRED COURSES

3 CREDIT HOURS IN A CRITICAL READING AND WRITING COURSE

MARI 4001 - The Organization and Issues of Shipping

MARI 4103 - Advanced Communications for the Maritime Sector

MARI 4002 - The Business of Shipping

MARI 4105 - Policy and Governance in the Maritime Industry

MARI 4106 - Ship Operations Management

TECH 4025 (Applied Statistics) OR
 STATISTICS 1510 (Statistical Thinking and Concepts) OR
 STATISTICS 2500 (Statistics for Business and Art Students)

GROUP A ELECTIVES (MINIMUM OF THREE)

MARI 4005 - Trends and Issues in International Shipping

MARI 4101 - Maritime Occupational Safety and Health (Legislation and Regulations)

MARI 4006 - Maritime Human Resource Management

MARI 4102 - Maritime Risk Management/Accident Incident Investigation

MARI 4007 - Shipping Finance

MARI 4104 - Integrated Management Systems in Maritime Industries

MARI 4008 - Introduction to Offshore Oil and Gas

MARI 4107 - Communications and Conflict Management

GROUP B ELECTIVES (MINIMUM OF ONE)

BUSINESS 1101 OR 2102 - Principles of Accounting or Introductory Accounting for Non-Business Students

TECH 4019 - Research Methods

BUSINESS 4000 - Business Law I

TECH 4020 - Economic Management for Technologists

ECONOMICS 1010 OR THE FORMER 2010 - Introduction to Microeconomics

TECH 4030 - Technology in the Human Context

ECONOMICS 1020 OR THE FORMER 2020 - Introduction to Macroeconomics

TECH 4040 - Project Management for Technologists

GEOGRAPHY 3510 - Geography of the Seas

TECH 4050 - Introduction to Quality Management

MARI 4004 - Marine Environmental Management

SOCIOLOGY 2120 - Technology and Society

PHILOSOPHY 2330 OR THE FORMER 2571 - Philosophy and Technology

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.

MARITIME STUDIES

(SAFETY MANAGEMENT)

PROGRAM DESCRIPTION

In the Bachelor of Maritime Studies, major in Safety Management program, you'll study how to manage maritime health and safety, environment, security, and quality issues within the context of the global maritime industry. With a focus on safety and preventative measures, this degree will prepare you to address increasing concerns in the oceans and hazardous environments-related sectors, including the offshore oil and gas, shipping, maritime security, and fishing industries. The Bachelor of Maritime Studies (Safety Management) is offered online, allowing students to pursue their studies from anywhere in the world.

PROGRAM OBJECTIVE

The Bachelor of Maritime Studies, major in Safety Management will provide graduates with the essential skills to lead and contribute to the evolution of a safety culture for a variety of organizations that operate within the global maritime sector. Students will enhance their career opportunities by gaining knowledge in implementing, maintaining, and promoting safety, environment, security, and quality management systems.

PROGRAM STRUCTURE

This program consists of 39 credit hours and is offered online. It is comprised of nine required courses (27 credit hours) and four elective courses (12 credit hours).

ADMISSION REQUIREMENTS

In addition to meeting the admission/readmission requirements for the University, students must also meet the admission/readmission requirements for the Marine Institute. Applicants must meet the general admission/readmission requirements of the University and be eligible for admission to the Bachelor of Maritime Studies program in one of the following categories:

CATEGORY A: applicants holding a diploma from the Marine Institute in nautical science, marine engineering technology, naval architecture technology, marine engineering systems design technology, marine environmental technology, or food technology

CATEGORY B: applicants holding a diploma of technology in engineering/applied science technology accredited by the Canadian Technology Accreditation Board (CTAB) or Technology Accreditation Canada (TAC)

CATEGORY C: applicants holding a diploma of technology comparable to a Marine Institute or College of the North Atlantic three-year accredited diploma

CATEGORY D: applicants who have Canadian Forces training acceptable to the Admissions Committee

CATEGORY E: applicants who hold a Canadian Registered Safety Professional (CRSP) designation. Applications to the program will be considered by the appropriate admissions committee(s).

In accordance with the UNIVERSITY REGULATIONS - Residence Requirements – Second Degree, students completing the Bachelor of Maritime Studies (Safety Management) program, as a second degree, must complete all required courses within the Bachelor of Maritime Studies (Safety Management) program.

PROGRAM AT A GLANCE

Full Time / Part Time		
START DATE September, January, May		
PROGRAM 39 credit hours		
PLACE OF STUDY Online		
Learn More: www.mi.mun.ca/bms		
DEADLINES TO APPLY		
Fall Admission	Winter Admission	Spring Admission
June 30 - Official Transcripts due July 15	October 15 - Official Transcripts due October 30	March 15 - Official Transcripts due March 30



COURSE SELECTION CHART

REQUIRED COURSES

3 CREDIT HOURS IN A CRITICAL READING AND WRITING COURSE

MARI 4004 - Marine Environmental Management	MARI 4108 - Emergency Management and Preparedness in the Maritime Sector
MARI 4101 - Maritime Occupational Safety and Health (Legislation and Regulations)	MARI 4109 - Human Factors in the Maritime Sector
MARI 4104 - Integrated Management Systems in Maritime Industries	MARI 4110 - Risk Management in the Maritime Sector (Hazard Recognition and Assessment)
MARI 4107 - Communications and Conflict Management	MARI 4111 - Incident/Accident Management and Investigation in the Maritime Sector

GROUP A ELECTIVES (MINIMUM OF TWO)

MARI 4001 - The Organization and Issues of Shipping	MARI 4112 - Quality Systems and Organizational Management
MARI 4008 - Introduction to Offshore Oil and Gas	MARI 4113 - Maritime Security Management

MARI 4114 - Maritime Environmental Health

TECH 4025 - Applied Statistics OR
 STATISTICS 1510 - Statistical Thinking and Concepts OR
 STATISTICS 2500 - Statistics for Business and Art Students

GROUP B ELECTIVES (MINIMUM OF ONE)

BUSINESS 1101 OR 2102 - Principles of Accounting OR Introductory Accounting for Non-Business Students	TECH 4040 - Project Management for Technologists
MARI 4002 - The Business of Shipping I	PHIL 1100 - Critical Thinking
MARI 4106 - Ship Operations Management	PHIL 2330 - Philosophy and Technology
TECH 4019 - Research Methods	SOCIOLOGY 2120 - Technology and Society OR TECH 4030 - Technology in the Human Context

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 Follow the University Calendar for course descriptions and regulations for your program.
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TECHNOLOGY

(ENGINEERING AND APPLIED SCIENCE TECHNOLOGY)

PROGRAM DESCRIPTION

The Bachelor of Technology, Engineering and Applied Science Technology program prepares graduates for career advancement in engineering technology and applied science industries. It is designed for students who have graduated from an accredited diploma of technology program in engineering and applied science.

Courses in the program provide the student with an introduction to human resource and business management concepts, and the social contexts in which their careers will be based.

After the program is complete, your combined diploma and degree will provide you with strong technical training that meets national accreditation standards. This program is offered online with select courses available on campus and can be studied on a full time or part time basis.

PROGRAM OBJECTIVE

In this program, you will develop the skills needed for supervisory positions in a variety of global sectors.

PROGRAM STRUCTURE

This one-year program consists of 39 credit hours with 24 credit hours from required courses and 15 credit hours from elective courses. The program is available on a full or part-time basis, and is available online with select courses on campus. Full-time students can complete the program in one academic year.

ADMISSION REQUIREMENTS

This one-year program consists of 39 credit hours consisting of 13 courses. The program is available on a full or part-time basis, and is available both on-campus and through internet-based delivery. Full-time students can complete the program in one academic year.

CATEGORY A: applicants holding a diploma of technology, excluding Nautical Science, from the Marine Institute,

CATEGORY B: applicants holding a diploma of technology accredited by the Canadian Technology Accreditation Board (CTAB) or Technology Accreditation Canada (TAC), or the Canadian Medical Association (CMA),

CATEGORY C: applicants holding a diploma of technology comparable to a Marine Institute diploma of technology,

PROGRAM AT A GLANCE

Full Time / Part Time

START DATE

September, January, May

PROGRAM

39 credit hours

PLACE OF STUDY

Online with select courses available on campus

Learn More:

www.mi.mun.ca/btech

DEADLINES TO APPLY

Fall Admission	Winter Admission	Spring Admission
June 30 - Official Transcripts due July 15	October 15 - Official Transcripts due October 30	March 15 - Official Transcripts due March 30

CATEGORY D: applicants holding a Certified Engineering Technologist (CET) designation or a Professional Technologist (PTech) designation along with a diploma of technology acceptable to the Admissions Committee,

CATEGORY E: applicants who have Canadian Forces training acceptable to the Admissions Committee,

CATEGORY F: applicants who hold a diploma of technology from an institution with which the Marine Institute has an articulation agreement.

International applicants with equivalent credentials may also be considered. To apply, you must submit an application and supporting documents to Memorial University.

Upon acceptance into the program, students will be admitted to one of the two majors: The Engineering and Applied Science Technology major or the Health Sciences Technology major. Students may be permitted to change their major with the approval of the Marine Institute Committee on Undergraduate Studies.



COURSE SELECTION CHART

REQUIRED COURSES

3 CREDIT HOURS IN A CRITICAL READING AND WRITING COURSE

TECH 4010 - Assessment and Implementation of Technology

TECH 4040 - Project Management for Technologists

TECH 4019 - Research Methods

TECH 4060 - Advanced Technical Communications

TECH 4020 - Economic Management for Technologists

TECH 4400 - Technological Assessment Project

TECH 4025 - Applied Statistics **OR** **STATISTICS 1510** - Statistical Thinking and Concepts **OR** **STATISTICS 2500** - Statistics for Business and Art Students **OR EQUIVALENT**

GROUP A ELECTIVES (MINIMUM OF ONE)

BUSINESS 1101 - Principles of Accounting **OR** **2102** Introductory Accounting for Non Business Students

TECH 4013 - Structure and functions of Technology based Organizations

BUSINESS 4000 - Business Law I

TECH 4017 - Technical Operations Management

ECONOMICS 3360 - Labour Market Economics

TECH 4050 - Introduction to Quality Management

MARI 4008 - Introduction to Offshore Oil and Gas

TECH 4070 - Special Topics in Technology

TECH 4011 - Introduction to Intellectual Property and Its Management

TECH 4080 - Maintenance Management

TECH 4012 - Occupational Health and Safety Legislation and Management

TECH 4090 OR BUSINESS 1000 - Introduction to Technology **OR** Introduction to Business in Society

GROUP B ELECTIVES (MINIMUM OF ONE)

ECONOMICS 1010 OR THE FORMER 2010 - Introduction to Microeconomics

TECH 4015 - Technological Entrepreneurship

ECONOMICS 1020 OR THE FORMER 2020 - Introduction to Macroeconomics

TECH 4016 - Technological Problem Solving

ECONOMICS 3080 - Natural Resource and Environmental Economics

TECH 4055 - Marine Renewable Energy

TECH 4014 - Technology and the Environment

PHILOSOPHY 1100 - Critical Thinking

PHILOSOPHY 2330 OR THE FORMER 2571 - Philosophy and Technology

TECH 4030 - Technology in the Human Context **OR** **SOCIOLOGY 2120** - Technology and Society **OR** **GEOGRAPHY 3015** - Science, Technology, and Society **OR** **SOCIOLOGY 3015** - Science, Technology and Society

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TECHNOLOGY

(HEALTH SCIENCE TECHNOLOGY)

PROGRAM DESCRIPTION

The Bachelor of Technology, Health Science Technology program prepares graduates for career advancement in health science technology. It is designed for students who have graduated from an accredited diploma of technology program in this field.

Courses in the program provide the student with an introduction to human resource and business management concepts, and the social contexts in which their careers will be based.

After the program is complete, your combined diploma and degree will provide you with strong technical training that meets national accreditation standards. This program is offered online with select courses available on campus and can be studied on a full time or part time basis.

PROGRAM OBJECTIVE

In this program, you will develop the skills needed for supervisory positions in a variety of global sectors.

PROGRAM STRUCTURE

This one-year program consists of 39 credit hours with 18 credit hours from the required courses and 21 credit hours from the elective courses. The program is available on a full or part-time basis, and is available online with select courses on campus. Full-time students can complete the program in one academic year.

ADMISSION REQUIREMENTS

In addition to meeting the admission/readmission requirements for Memorial University, students must also meet the admission/readmission requirements for the Marine Institute and be eligible for admission in one of the following categories:

CATEGORY A: applicants holding a diploma of technology, excluding Nautical Science, from the Marine Institute,

CATEGORY B: applicants holding a diploma of technology accredited by the Canadian Technology Accreditation Board (CTAB) or Technology Accreditation Canada (TAC), or the Canadian Medical Association (CMA),

CATEGORY C: applicants holding a diploma of technology comparable to a Marine Institute diploma of technology,

PROGRAM AT A GLANCE

Part Time / Full Time

START DATE

September, January, May

PROGRAM

39 credit hours

PLACE OF STUDY

Online with select courses available on campus

Learn More:

www.mi.mun.ca/btech

DEADLINES TO APPLY

Fall Admission	Winter Admission	Spring Admission
June 30 - Official Transcripts due July 15	October 15 - Official Transcripts due October 30	March 15 - Official Transcripts due March 30

CATEGORY D: applicants holding a Certified Engineering Technologist (CET) designation or a Professional Technologist (PTech) designation along with a diploma of technology acceptable to the Admissions Committee,

CATEGORY E: applicants who have Canadian Forces training acceptable to the Admissions Committee,

CATEGORY F: applicants who hold a diploma of technology from an institution with which the Marine Institute has an articulation agreement.

International applicants with equivalent credentials may also be considered. To apply, you must submit an application and supporting documents to Memorial University.

Upon acceptance into the program, students will be admitted to one of the two majors: The Engineering and Applied Science Technology major or the Health Sciences Technology major. Students may be permitted to change their major with the approval of the Marine Institute Committee on Undergraduate Studies.



COURSE SELECTION CHART

REQUIRED COURSES

3 CREDIT HOURS IN A CRITICAL READING AND WRITING COURSE

TECH 4019 - Research Methods

TECH 4060 - Advanced Technical Communications

TECH 4025 - Applied Statistics OR STATISTICS 2500 - Statistics for Business and Art Students OR
STATISTICS 1510 - Statistical Thinking and Concepts OR EQUIVALENT

TECH 4040 - Project Management for Technologists

TECH 4400 - Technological Assessment Project

GROUP A ELECTIVES (MINIMUM OF ONE)

BUSINESS 1101 - Principles of Accounting OR 2102
Introductory Accounting for Non Business Students

TECH 4012 - Occupational Health and Safety
Legislation and Management

BUSINESS 4000 - Business Law I

TECH 4013 - Structure and functions of
Technology based Organizations

ECONOMICS 3360 - Labour Market Economics

TECH 4017 - Technical Operations Management

MARI 4008 - Introduction to Offshore Oil and Gas

TECH 4050 - Introduction to Quality Management

TECH 4011 - Introduction to Intellectual Property
and Its Management

TECH 4090 OR BUSINESS 1000 - Introduction to
Technology OR Introduction to Business in Society

GROUP B ELECTIVES (MINIMUM OF ONE)

ECONOMICS 1010 OR THE FORMER 2010 -
Introduction to Microeconomics

TECH 4015 - Technological Entrepreneurship

ECONOMICS 1020 OR THE FORMER 2020 - Introduction
to Macroeconomics

TECH 4016 - Technological Entrepreneurship

ECONOMICS 3080 - Natural Resource and
Environmental Economics

TECH 4055 - Marine Renewable Energy

TECH 4014 - Technology and the Environment

TECH 4080 - Maintenance Management

TECH 4030 - Technology in the Human Context OR SOCIOLOGY 2120 - Technology and Society OR
GEOGRAPHY 3015 - Science, Technology, and Society OR SOCIOLOGY 3015 - Science, Technology, and Society

PHILOSOPHY 2100 - Health Ethics OR THE FORMER 2551;
PHILOSOPHY 2110 - Biomedical Ethics OR THE FORMER 2553;
PHILOSOPHY 2120 - Mental Health Ethics OR THE FORMER 2552

PHILOSOPHY 1100 - Critical Thinking

PHILOSOPHY 2330 - Health Ethics OR THE FORMER 2571

GROUP C ELECTIVES (MINIMUM OF ONE)

BIOLOGY 2040 OR 2041 -
Modern Biology and Human Society I or II

PSYCHOLOGY 2030 - Adult Development

PSYCHOLOGY 1000 - Introduction to Psychology

PSYCHOLOGY 2800 - Drugs and Behaviour

PSYCHOLOGY 2010 - Biological and Cognitive Development

PSYCHOLOGY 2020 - Social and Personality Development

TECH 4110 - Health Care Management

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Follow the University Calendar for course descriptions and regulations for your program.

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WHAT YOU NEED TO KNOW

Tuition and Fees

Students should consult www.mun.ca/finance/fees/tuition_fees/undergrad.php for information about tuition and fees related to their program of study. For online courses, there are administrative fees which are charged in addition to the tuition fees for these courses. These fees cover the cost of course materials (excluding textbooks), rental of video and audio tapes and management of web courses.

Centre for Innovation in Teaching and Learning - Online Courses

Online courses are fully supported by The Centre for Innovation in Teaching and Learning (CITL). For online courses, Brightspace is the virtual learning platform used as the main content delivery system and provides a virtual classroom for each program course. Students can avail of 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.

Books and Supplies

You should be prepared to meet an expenditure to cover the cost of textbooks and supplies each semester. Make sure to consult with your professors before purchasing any new or used textbooks or laboratory manuals.

NEXT STEPS

1. Get to Know our Programs and requirements

Visit us online www.mi.mun.ca/programs for complete details and more resources to help successfully apply for our programs.

2. Connect

Speak with our graduate recruitment officer to discuss your application.

3. Apply Online

Choose the semester you would like to start your studies and check the deadlines to apply. Identify and collect all required application materials. Submit your application online at <https://www3.mun.ca/admit/>

CONNECT WITH THE FISHERIES AND MARINE INSTITUTE

GRADUATE STUDENT RECRUITMENT OFFICER

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

www.mun.ca/become/graduate

Follow, watch, connect and like us:

 Instagram  YouTube  LinkedIn  Twitter  Facebook

THIS BROCHURE IS FOR REFERENCE ONLY.

FOLLOW THE UNIVERSITY CALENDAR REGULATIONS FOR YOUR PROGRAM.

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www.mun.ca/regoff/calendar

