BACHELOR DEGREE

TECHNOLOGY

(ENGINEERING AND APPLIED SCIENCE TECHNOLOGY AND HEALTH SCIENCE TECHNOLOGY OPTIONS)

Prepare for a career as a technology leader.
PROGRAM DESCRIPTION

The Bachelor of Technology program prepares graduates for career advancement in engineering/applied science technology industries or health science technology. It is designed for students who have graduated from an accredited diploma of technology program that is applicable to one of the two optional areas. 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.

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

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 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.
**BACHELOR OF TECHNOLOGY - ENGINEERING AND APPLIED SCIENCE TECHNOLOGY OPTION**

- Students must take 39 credit hours with 24 credit hours from the required courses and 15 credit hours from the electives.
- At least one elective must be chosen from each of the groups A and B.

**REQUIRED COURSES**

3 CREDIT HOURS IN ENGLISH AT THE 1000 LEVEL

- MSTM 4010 - Assessment and Implementation of Technology
- MSTM 4019 - Research Methods
- MSTM 4020 - Economic Management for Technologists
- MSTM 4025 (Applied Statistics) OR STATISTICS 1910 (Statistical Thinking and Concepts) OR STATISTICS 2500 (Statistics for Business and Art Students) OR EQUIVALENT
- MSTM 4040 - Project Management for Technologists
- MSTM 4060 - Advanced Technical Communications
- MSTM 4400 - Technological Assessment Project

**GROUP A ELECTIVES (MINIMUM OF ONE)**

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

BUSINESS 4000 - Business Law I

ECONOMICS 3360 - Labour Market Economics

- MSTM 4008 - Introduction to Offshore Oil and Gas
- MSTM 4011 - Introduction to Intellectual Property and its Management
- MSTM 4012 - Occupational Health and Safety Legislation and Management
- MSTM 4013 - Structure and Functions of Technology-based Organizations
- MSTM 4017 - Technical Operations Management
- MSTM 4040 - Introduction to Quality Management
- MSTM 4070 - Special Topics in Technology
- MSTM 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

ECONOMICS 1020 OR THE FORMER 2020 - Introduction to Macroeconomics

ECONOMICS 3080 - Natural Resource and Environmental Economics

- MSTM 4014 - Technology and the Environment
- MSTM 4015 - Technological Entrepreneurship
- MSTM 4016 - Technological Problem Solving
- MSTM 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)
- MSTM 4055 - Marine Renewable Energy

PHILOSOPHY 1100 - Critical Thinking

PHILOSOPHY 2390 OR THE FORMER 2391 - 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.
BACHELOR OF TECHNOLOGY - HEALTH SCIENCE TECHNOLOGY OPTION

- Students must take 39 credit hours with 18 credit hours from the required courses and 21 credit hours from the electives.
- At least one elective must be chosen from each of the groups A, B and C.

REQUIRED COURSES

3 CREDIT HOURS IN ENGLISH AT THE 1000 LEVEL

MSTM 4019 - Research Methods

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

MSTM 4040 - Project Management for Technologists

MSTM 4060 - Advanced Technical Communications

MSTM 4400 - Technological Assessment Project

GROUP A ELECTIVES (MINIMUM OF ONE)

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

BUSINESS 4000 - Business Law I

ECONOMICS 3360 - Labour Market Economics

MSTM 4008 - Introduction to Offshore Oil and Gas

MSTM 4011 - Introduction to Intellectual Property and its Management

MSTM 4011 - Occupational Health and Safety Legislation and Management

MSTM 4013 - Structure and Functions of Technology-based Organizations

MSTM 4017 - Technical Operations Management

MSTM 4050 - Introduction to Quality Management

MSTM 4090 OR BUSINESS 1000 - Introduction to Technology or Introduction to Business in Society

GROUP B ELECTIVES (MINIMUM OF ONE)

ECONOMICS 1010 OR THE Former 1020 - Introduction to Microeconomics

ECONOMICS 1020 OR THE Former 2020 - Introduction to Macroeconomics

ECONOMICS 3080 - Natural Resource and Environmental Economics

MSTM 4014 - Technology and the Environment

MSTM 4015 - Technological Entrepreneurship

MSTM 4016 - Technological Problem Solving

MSTM 4030 - Technology in the Human Context OR
SOCIOLOGY 2120 - Technology and Society OR
GEOPHYSICS 3015 - Science, Technology, and Society OR
SOCIOLOGY 3015 - Science, Technology, and Society

MSTM 4055 - Marine Renewable Energy

PHILOSOPHY 1100 - Critical Thinking

PHILOSOPHY 2100 (Health Ethics) OR THE Former 2531;
2110 (Biomedical Ethics) OR THE Former 2535;
2120 (Mental Health Ethics) OR THE Former 2552

PHILOSOPHY 2330 OR THE Former 2571 - Philosophy and Technology

GROUP C ELECTIVES (MINIMUM OF ONE)

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

PSYCHOLOGY 1000 - Introduction to Psychology

PSYCHOLOGY 2010 - Biological and Cognitive Development

PSYCHOLOGY 2020 - Social and Personality Development

PSYCHOLOGY 2030 - Adult Development

PSYCHOLOGY 2080 - Drugs and Behaviour

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.
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,
- **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 options: the Engineering and Applied Science Technology Option or the Health Sciences Technology Option. Students may be permitted to change their option with the approval of the Marine Institute Committee on Undergraduate Studies.

HOW TO APPLY

Applicants should submit their application to Memorial University of Newfoundland by the following deadlines:

- **FALL ADMISSION — JUNE 15** (Official transcripts due June 30)
- **WINTER ADMISSION — OCT 15** (Official transcripts due Oct 30)
- **SPRING ADMISSION — MARCH 15** (Official transcripts due March 30)

For more information and to apply online, go to www.mi.mun.ca/btech

PROGRAM DELIVERY AND SUPPORT

The overall structure of this program is course-based with delivery options available in class, and online by the Fisheries and Marine Institute of Memorial University of Newfoundland.

Online courses are fully supported by The Centre for Innovation in Teaching and Learning (CITL). For online courses, Brightspace is 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.

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 doctorate 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.
CONTACT INFORMATION

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/btech

THIS BROCHURE IS FOR REFERENCE ONLY.
FOLLOW THE UNIVERSITY CALENDAR REGULATIONS FOR YOUR PROGRAM.
THE INFORMATION PROVIDED HERE IS SUBJECT TO CHANGE. THE UNIVERSITY CALENDAR IS THE FINAL AUTHORITY ON UNIVERSITY AND PROGRAM REGULATIONS.
www.mun.ca/segoff/calendar