

# School of Transportation

## Marine Mechanical Technician Foundation



### OVERVIEW

A Marine Mechanical Technician is a person who installs, diagnoses, repairs and maintains engines, drive trains and other mechanical systems such as electrical, hydraulic and domestic fluid systems used in the recreational marine industry. This career involves all aspects of repairs to recreational and light commercial boats in regards to their diesel, gasoline, outboard engines, conventional inboard drive trains, stern drives, hydraulic and domestic fluid systems, and electronic management and controls.

### THE PROGRAM

#### Program Structure and Key Components

The proposed certificate program will be composed of 16 courses, structured into six content clusters

- Occupational Skills
- Vessel Systems
- Metal Working and Trailers
- Electrical
- Engines and Drive Theory
- Experiential Learning

The program will be delivered at BCIT Annacis Island campus over a period of 26 weeks, from Feb. to Aug. and students will earn a total of 52 credits. The program will accept a maximum of 16 students and will be offered full-time, using a cohort registration model. Program courses will be delivered sequentially by trade-certified instructors in a classroom environment with online support at the Annacis Island Campus (AIC) in Delta, BC.

## SCHEDULED INTAKE

06 Feb 2023 - 03 Aug 2023 (26 weeks)

Classes run Mon-Thur

0730-1530

4 seats are reserved for high school students

## ENTRANCE REQUIREMENTS

Applicants must meet the following academic requirements to be considered for entry into the program:

**English:** two years of education in English in an English-speaking country with **one** of the following:

- English Studies 12 (50%) or
- English First Peoples 12 (50%) or
- Other acceptable BC and Yukon courses or
- 3.0 credits of post-secondary English, humanities or social sciences (50%) from a recognized institution or
- BCIT English Trades Entry Assessment (for applicants who have two years of education in an English-speaking country only)

**Math:** one of the following:

- Foundations of Math and Pre-Calculus 10 (50%) or
- Workplace Math 10 (50%) or
- Other acceptable BC and Yukon courses or
- BCIT Math Trades Entry Assessment

## PROGRAM LENGTH

The MMTF skills program is to be delivered in full-time mode over one continuous term of 26 weeks.

Graduates will earn a total of 52 credits. The program will be structured around the following six major clusters:

REQUIRED COURSES	CREDITS	REQUIRED COURSES	CREDITS
Occupational Skills	10	Electrical	13.0
Vessel Systems	13.5	Engines & Drive Theory	8.5
Metal Working & Trailers	5.0	Experiential Learning	2.0
		<b>Total Credits</b>	<b>52</b>

**Are you interested in being a student for a day?**

[bcit.ca/spendaday](http://bcit.ca/spendaday)

**Attend an Information Session**

[bcit.ca/infosessions](http://bcit.ca/infosessions)

## For More Information

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[bcit.ca/programs/marine-mechanical-technician-foundation-certificate-full-time-1920cert/#overview](http://bcit.ca/programs/marine-mechanical-technician-foundation-certificate-full-time-1920cert/#overview)

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**Programs and courses are subject to change without notice.**