

## MARINE REPAIR TECHNICIAN

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**Credential Issued:**

ITA Certificate of Qualification (Marine Repair Technician)

(Persons completing a formal apprenticeship also receive a Certificate of Apprenticeship)

**Occupational Description:**

“Marine Repair Technician” means a person who performs general repair and servicing operations on recreational vessels and light commercial vessels up to 150 feet in length, with specialty skills in one or more of the following areas:

- Composites technology
- Refinishing
- Marine woodworking
- Mechanical and systems installations
- Sailing vessel rigging

**Program Duration & Structure:**

The program will be delivered in a variety of formats combining in-school and work-based training, all designed to meet the competency standards and profile defined by the industry and approved by ITA, and will generally take between 2 and 6 years to complete.

The program includes:

- In-school: 720 hours\* (part-time over approximately 106 weeks)
- Work-based: 2 – 6 years to attain the required practical competencies

\*The in-school / technical training requirement is typically delivered through after-hours or “modified block release” training delivered by an ITA approved training provider. It can also be met through approved alternative training models (e.g. distance education, part-time) and / or level challenge exam where these options are available.

**Program Completion Requirements:**

Completion of a minimum of 4000 workplace hours and successful attainment of required Practical Competencies (24 Core Competencies plus 6 elective Advanced Competencies)

- Sponsor attestation

Completion of 720 hours of technical training or completion of distance learning program: (Requirement can be met through challenging learning competency exams where available.)

- Level 1 – practical assessments and written level examination
- Level 2 – practical assessments and written level examination
- Level 3 – practical assessments and written level examination
- Level 4 – practical assessments and written level examination

**Program Challenge Requirements:**

- 12000 (6 years) documented hours of directly related work experience required to challenge the BC Certificate of Qualification written examination; and
- Demonstrated competency in six elective Advanced Competencies as defined by Competency Assessment Standards.

**Program Pre-requisites:**

- Recommended Education: Grade 10 or equivalent including English 10, Math 10, and Science 10. Preferred: Grade 12

**Assessment Methods:**

- In-school assessments (core practical & written exams)
- Work-based assessments (advanced practical)
- Final Assessment (BC Certificate of Qualification written exam)

**Linkages to Other Credentials:**

n/a

**Program Standards Documentation:**

- Program Outline
- Practical Competency Assessment Standards
- Log Book

**Industry Program Standards Mechanism:**

West Coast Boatyard Association

**Program Providers:**

Institution-based component of the program will be delivered by public post-secondary institutions, private training institutions, and secondary schools that have been approved by ITA.

**Technical Training Content:****Level 1**

Safety  
Yard Practices  
Terminology & Design  
Trade Mathematics  
Tools & Equipment  
Materials  
Wood Repairs  
Composite Repairs  
Mechanical Systems  
Electrical Systems

**Level 3**

Tools & Equipment  
Fabrication  
Wood Repairs  
Composite Repairs  
Mechanical Systems  
Electrical Systems  
Rigging & Misc. Installations

**Level 2**

Terminology & Design  
Tools & Equipment  
Materials  
Wood Repairs  
Composite Repairs  
Mechanical Systems  
Finishing & Painting  
Fastening & Installation  
Electrical Systems  
Rigging & Misc. Installations

**Level 4**

Yard Management  
Terminology & Design  
Tools & Equipment  
Materials  
Fabrication  
Wood Repairs  
Composite Repairs  
Mechanical Systems  
Electrical Systems  
Finishing & Painting  
Rigging & Misc. Installations

Approved: March 2002 (ITAC)

Updated: April 2006 (ITA)