

Nautical Studies 110 Outline

The Nautical Studies 110 outcomes are meant to prepare students for safe pleasure and commercial operations at sea and completing Fishing Master IV through Transport Canada (see Marine Personnel Regulations, Section 142).

Marine Safety
 Transport Canada
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Levels of Certification:

- **Pleasure Craft Operators Card (PCOC)** – Not a license but a certificate from a training school. It is required any power driven boat used for pleasure.
- **Small Vessel Operator Proficiency Training Certificate (SVOP)** – any commercial vessel up to 5 tons or any fishing vessel 12m or less and up to 15 tons.
- **Certificate of Service** – any commercial vessel less than 60 tones. No longer available – Grandfathered in experienced Captains with limited training.
- **Fishing Master Levels I to IV** (IV being the lowest level of training) – Fishing Vessel up to 100 tones
- ...Many more levels of training and certification

FM IV consists of:

	Requirements	Specifications
1.	Experience	Acquire at least 12 months of sea service
2.	Certificates to be provided to the examiner	<ul style="list-style-type: none"> • (a) MED with respect to basic safety; • (b) Restricted Operator’s Certificate (ROC-MC) • (c) SEN limited; and • (d) Marine Advanced First Aid.
3.	Pass examinations	<ul style="list-style-type: none"> • (a) Chartwork and pilotage, level 1; 040 • (b) Navigation safety, level 1; 061 • (c) Ship construction and stability, level 1; and • (d) Oral examination on general seamanship,

Validity:

The holder of a FM IV certificate may act as Master onboard a fishing vessel of not more than 100 gross tonnage engaged on a near coastal or sheltered waters voyage above 6° north latitude (just above the equator) to the arctic out to the edge of the continental shelf (200 nautical miles).

Or,

... as Officer in charge of the watch of a fishing vessel of any tonnage engaged on near coastal and sheltered waters voyage.

Why Study a traditional skill? The fishing industry is changing. There is a move towards professionalism. That means fishers are expected to:

- master knowledge and skills through training (Scholarship)
- uphold the highest standards in their actions and activities (Integrity)
- uphold a social contract with society that allows people to regulate ourselves (Honour)

Student Assessment:

- **Sea Time** – each students should spend at least a day onboard a vessel that is lobster boat size or larger and complete a vessel inspection sheet – 10%
 One day (6/10) Two Days (8/10) A 3rd day on a different type of vessel (10/10)
- **Quizzes, Assignments, Projects** – 30%
- **Tests** – 40%
- **Final Exam** – 20%

Strand	General Curriculum Outcome (GCO) – Course 1
Safety & Stability	Small Vessel Requirements: Describe the criteria set out in current government safety regulations
	Stability: Describe factors that contribute to safe and stable vessels
	MED/SOLAS: Apply technology and experiences to overcome marine safety issues
Marine Maintenance	Knots & Splicing: Tie knots and splice rope for specific situations in the marine industry
	Ship Construction: Describe ship construction using nautical terms and explanations
Navigation	Rules of the Road: Apply knowledge and skills to simulate the proper and safe operation of a vessel
	Chart Navigation: Apply geography skills to navigate in a marine environment
	Aids to Navigation: Describe the proper meaning of sound signals, lights, colors, and shapes to navigation aids
Careers & Training	Careers & Training: Describe training and education that applies to the marine industry

Other:

- **Exemptions** – there are two ways to achieve an exemption from the exam. See school regulations.
- **Attendance** – Attendance is very important to achieve success. If you miss time, it is YOUR responsibility to get what you missed. See school regulations regarding absenteeism and lates.
- **Expectations** - There is an expectation that you work hard, do your best, have a good attitude, contribute positively to the class, promote safe practices and study before tests.