

Bareboat Charter Master

Multiday and Coastal Sailing



Take a sailing vacation and charter boats worldwide. Gain the knowledge, training, experience, proper certification, and licensure for multiday and near coastal sailing adventures.

A Bareboat Charter Master is someone who knows their stuff inside and out. Leading your friends and family on coastal waters for multiple days on a sailing vacation is where you need mastery of knowledge, skills and systems. Our Bareboat Charter Master sailing certification requires meaningful experience, comprehensive online course work, on-the-water training and a demonstration of your practical sailing skills.

NauticEd's Bareboat courses train all aspects of multiday sailing: international navigation rules and buoys, sailing techniques, boat management and systems, boat handling, coastal navigation, electronic navigation and more. Your sailing school's course is a charter ready program that immerses you in practical on-the-water education, as well as 6 online in-depth multimedia knowledge courses.

Bareboat Certification: upon successfully passing theory and practical assessment, and logging experience, you'll earn the *Bareboat Charter Master Rank* certification.

International SLC Certification: the *International Sailing License and Credentials* (SLC) is recognized by worldwide port authorities and yacht charter companies as the North American equivalent to the United Nations ICC sailing license. Requirements include a practical assessment of competence by a NauticEd American National Standards sailing instructor.

NauticEd
International Sailing Education

SLCTM
Sailing License and Credentials

MEDITERRANEAN
ACCEPTED AND ENCOURAGED

INTERMEDIATE CRUISING STANDARD

Course Description

This live-aboard course follows the Basic Cruising standard in the Sail Canada keelboat and cruising training system. Students will participate in operation of the vessel as crew and as skipper. The vessel will be operated under sail and power while making daytime passages. The ability to act as skipper and crew in operation of a sailing vessel by day in unfamiliar waters will be developed, while building the skills and experience needed for live-aboard cruises and bareboat charter.

Practical topics covered include sail selection and use of the jib cars and mainsheet traveler controls to adjust sail shape for efficient propulsion and balance in the conditions encountered. Students will have the opportunity to practice and develop skills manoeuvring the vessel under power for mooring pickup, and accomplishing various anchoring strategies and enhanced docking and dock departure techniques and procedures. Opportunities to practice the navigation skills taught in the Basic Coastal Navigation course including elementary pilotage and passage planning, non-electronic position determination methods and basic use of satellite positioning systems will help to strengthen this knowledge and skillset. Practical knowledge of the use and management of vessel systems will be taught through use of these systems on board while cruising.

Skills developed in this standard may be applied in vessels up to 15 meters in length. This course builds on the skills developed in the Sail Canada Start Keelboat Sailing, Basic Cruising and Basic Coastal Navigation courses. Candidates are expected to be able to competently demonstrate the skills developed in those courses.

It is envisioned that the program will be taught in a minimum five days in a live-aboard format. A challenge of the practical component of the standard may be accomplished through a 48-hour live-aboard skill evaluation.

OBJECTIVE

To be able to cruise safely as both skipper and crew of a sailing yacht of 9 to 12 meters, sloop rigged with an inboard engine, in moderate wind and sea conditions by day. The standard emphasizes on-the-water skills at a level acceptable for extended cruises in coastal and inland waters and for bareboat chartering.

PREREQUISITES

Requirements prior to taking the standard:

- Sail Canada Basic Cruising Standard,
- Sail Canada Basic Coastal Navigation or Coastal Navigation Standard,
- ROC(M): VHF with DSC endorsement,
- Pleasure Craft Operator's Card (or equivalent)

Recommended prior to taking the standard:

- Recognized standard first aid and CPR certificate,
- Sail Canada Intermediate Coastal Navigation Standard.

Note: To maximize the likelihood of successfully completing the Intermediate Cruising Standard, a student should:

- a) Have experience as skipper of at least ten day sails (or equivalent),
- b) Be able to consistently use the knowledge and demonstrate the skills learned in the Basic Cruising Standard and the Basic Coastal Navigation Standard.

ASHORE KNOWLEDGE

Section I: Planning

The candidate must be able to:

1. State the fuel tank capacity and range of the candidate's boat and list what factors could affect the range of the boat under power;
2. State the water capacity of the selected boat and the minimum and typical daily water requirements of a person and methods of conserving water;
3. State the causes, prevention and cures for seasickness and describe the impact seasickness on crew effectiveness;

4. List the appropriate personal clothing and safety gear for cruising and describe how its choice is related to safety and comfort;
5. Discuss menu planning and relate it to suitability for the day's activities;
6. Describe provisioning requirements and the factors to consider in stocking the vessel;
7. List the minimum contents of a first aid kit for a one-week cruise in coastal or inland waters;
8. Know the spare engine parts one might deem prudent for a one-week cruise in coastal or inland waters;
9. Know the minimum set of tools required for a one-week cruise in coastal or inland waters;
10. Describe the general procedures to be followed and the documents required for entering a country after leaving another country, and the current procedures for marine travel between Canada and the USA.

Section II: Living Afloat & Boat Systems

The candidate must be able to:

11. Discuss galley procedures in order to minimize the danger of fire, scalding or other galley accidents;
12. Describe the common cooking systems (stoves and fuels) with respect to safe procedures for the operation of appliances, including safety checks, igniting appliances and system shut down, convenience, speed of cooking and costs;
13. Discuss the common types of cabin heaters with respect to safety, convenience and cost;
14. Describe the principle elements of the 120V and 12V vessel systems, their use, and considerations for proper battery management;
15. Describe refrigeration system types and state two ways to conserve power when a vessel is equipped with an electric refrigeration system;
16. Describe water distribution systems with multiple tanks and various styles of pumps;
17. Describe the proper operating procedures for the head and holding tank, list the precautions necessary to prevent malfunction and identify issues relating to holding tank capacity;
18. Identify boating environmental issues, with particular reference to responsible disposal of waste and management of pollutants;
19. Describe the safe operation of an anchor windlass including appropriate vessel handling while using this equipment;
20. Differentiate between various sail handling systems and discuss handling and operational considerations of a particular combination of systems including furling systems (foresail, mainsail in mast, mainsail in boom) and mainsail flaking systems.

Section III: Weather

The candidate must be able to:

21. Describe the effect of local heating and cooling of land and water as related to wind and cloud formation;
22. Identify conditions likely to lead to fog.

Section IV: Seamanship

The candidate must be able to:

23. Describe the effects of wind against current;
24. Describe the complete actions to be taken for the following:
 - a) Springing a leak,
 - b) Steering fails,
 - c) Grounding,
 - d) Fouling a propeller,
 - e) Dragging Anchor,
 - f) Collision with another vessel,
 - g) Fire,
 - h) Propane leak,
 - i) Engine failure in an anchorage too crowded to permit safe sailing,
 - j) Engine failure in a busy channel,
 - k) Engine cooling water fails to flow;
25. Describe in detail two methods of getting a crew overboard back aboard;
26. Describe three methods of recovering fouled anchors;
27. Describe options for stowing and securing a dinghy when snugging down for the night;
28. Describe handling considerations (including stowage, launching/retrieving and towing) and differences between an inflatable dinghy, a rigid inflatable boat (RIB) and a rigid dinghy;
29. Describe precautions for safe handling of an outboard motor for the tender and actions to take in the event of accidental submersion;
30. Describe the methods of rafting at anchor and dangers involved;
31. State the factors to be considered before allowing anyone to go swimming while the boat is at anchor;

32. Describe the information required and the procedures to be followed when tying a boat to a fixed dock in local tidal conditions;
33. Describe how to secure the boat with an anchor on the bow or stern and the other end made fast to dock or shore;
34. Describe a seamanlike method of preparing a boat in order that it may be left at the dock or on a mooring for a period of a week or more without crew;
35. Describe the responsibilities of skipper and crew for the following courtesies, customs and legal obligations:
 - a) Permission to board,
 - b) Permission and entitlement to come alongside,
 - c) Courtesy in crossing adjacent boats when rafted,
 - d) Rights of first boat at an anchorage,
 - e) Keeping clear of boats racing (even though cruising boats may be the stand on vessel),
 - f) Flag etiquette:
 - (i) National Flag,
 - (ii) Courtesy flag,
 - (iii) Burgee / house flag,
 - g) Offering assistance to other yachts in trouble,
 - h) Alcohol consumption;
36. Describe the characteristics, limitations and uses of the following rope:
 - a) Polypropylene,
 - b) Dacron,
 - c) Nylon,
 - d) High modulus fibres.

Section V: Navigation & Passage Planning

The candidate must be able to:

37. Convert directions between true, magnetic and compass, using the compass rose on a current chart;
38. Determine speed, time and distance when two are known;
39. Determine estimated time of arrival (ETA) and revised ETA;
40. Identify sources of navigation information and use this information in route planning.

AFLOAT SKILLS

Section VI: Preliminaries

The candidate must be able to:

1. File a sailing plan;
2. Obtain and interpret the Marine forecast;
3. Check stowage and condition of all mandated and recommended equipment aboard the vessel;
4. Perform routine daily and weekly maintenance procedures on engine;
5. With specific reference to the vessels engine;
 - a) Identify and describe the function of the following engine systems:
 - (i) Ignition and Electrical,
 - (ii) Fuel,
 - (iii) Propulsion,
 - (iv) Cooling,
 - (v) Lubrication;
 - b) Describe the basic engine troubleshooting procedures to follow when:
 - (i) The engine cooling water fails to flow,
 - (ii) The engine fails to turn over sufficiently when starting,
 - (iii) The engine overheats;
 - c) Describe the dangers of excessive engine cranking;
6. With specific reference to the candidate's boat, identify and describe the functions of all through-hulls, sea cocks, bilge pumps and related plumbing components;
7. Check out that all systems on boat are in working order: galley, head, electronics, sails, hull, deck hardware etc.

Section VII: Under Way

8. Sail a vessel of the given size as both skipper and crew:
 - a) On all points of sail, tacking, gybing, and sailing to weather efficiently,
 - b) Execute a series of tacks from close hauled to close hauled (six in ten minutes) using appropriate commands, without oversteering or losing boat speed unduly,

- c) Execute a series of gybes while running (six in ten minutes) using appropriate commands, without losing control of the boom or steering,
 - d) Using the appropriate commands for all turns and changes of tack, assume any point of sail as directed and adjust sails and trim appropriately within a maximum of three minutes,
 - e) Sail a close hauled course (within ± 5 degrees) with sails set, keeping foresail telltales flying efficiently and the boat moving well for a five minute period,
 - f) Sail a compass course with sails set properly, with no land references for a minimum of five minutes,
 - g) Demonstrate appropriate use of the mainsail traveler and foresail cars;
9. Reef the main sail while underway in an efficient manner;
 10. Apply Rules 1 through 19, 40 and 45 of the *Collision Regulations*;
 11. Manoeuvre the boat under power:
 - a) In a minimum space,
 - b) Stop the bow of the boat within 4 feet of a fixed marker in various wind and sea conditions,
 - c) Pick up and secure the vessel to a mooring buoy;
 12. Dock with stern or bow to dock or shore using a bow or stern anchor;
 13. Demonstrate the use of a spring line to spring a vessel off of and on to a dock;
 14. Prepare a suitable hot meal aboard the vessel while in harbour, demonstrating suitable choice of food and drink and economy of resources;
 15. Demonstrate suitable methods and precautions while towing a dinghy;
 16. Demonstrate the 'triangle method' and one alternative method (i.e. quick stop, fast return, life sling, etc.) of returning to a crew overboard in daytime in moderate winds safely and efficiently within three minutes using appropriate communications, commands and a spotter.

Section VIII: Navigation

17. Read a chart and identify corresponding landmarks and aids to navigation;
18. Demonstrate how to take soundings using electronic and manual methods;
19. Determine the depth above or below chart datum and apply;
20. Lay off a course and determine compass heading and Estimated Time of Arrival (ETA) (assuming no current or leeway);
21. Plot and determine your position using deduced reckoning (DR) methodology;
22. Plot a fix using bearings taken on objects visible at the same time;
23. Pilot a vessel into an unfamiliar harbour or anchorage by day using charts and publications and application of pilotage and passage planning techniques.

Section IX: Seamanship

24. Throw a heaving line to a target a distance of ten meters away, coming within two meters in three times out of five attempts;
25. Demonstrate use of the VHF marine radio, including specific operation aboard the candidate's vessel;
26. Tie a rolling hitch;
27. Act as skipper and as responsible crew on a live-aboard cruise of at least 48 hours.

ENDORSEMENTS

Flying Sails

1. Pack, set, hoist, fly, gybe and douse a cruising spinnaker;
2. Describe the advantages of, and demonstrate the use of a whisker pole for sailing downwind with genoa.

Marlinspike Seamanship

3. Make an eye splice in laid line;
4. Whip a line;
5. Tie an alpine butterfly hitch and demonstrate its use in providing 2:1 leverage in order to secure items on a vessel.

Outcomes and Evaluation

Candidates command capability and vessel handling skills will be coached and evaluated throughout the training session. In addition to successful completion of the practical course candidates will be required to complete a closed book written exam that covers theoretical knowledge relevant to this standard. In order to complete certification a mark of 70% is required on the examination.



Additional Notes

This standard offers candidates the opportunity to develop daytime passage making, vessel management and sailing skills in a relaxed practical environment.

Physical Requirements for Candidates

These are offered as live-aboard training courses. Participants will have the opportunity to experience sun, wind, spray, rain, and temperatures consistent with the time of year they take part in this activity. When underway the vessel may exhibit irregular motion due to wind and waves and temperatures may be cooler than on land.

Participants will be expected to learn and demonstrate skills and to perform tasks while the vessel is at the dock, at anchor, and when the vessel is underway. Vessels will be underway for varying periods of time, primarily during daylight hours in light to strong wind and sea conditions. These training sessions will require short periods of moderate upper body exertion, as well as a moderate level of arm strength and core body fitness for handling lines and operating equipment. The successful candidate will show the ability to steer a straight course, respond early and appropriately to hazards, and stay present moment by moment when at the helm.

Resource Material

Sail Canada *Intermediate Cruising Student Notes*