

## Basic Marine Engineering – Skills Training Program

This series of skills training workshops has been approved by Transport Canada, Marine Personnel Standards and Pilotage, as complying with the intent of TP-13720E and with recent revisions to the skills training requirement for Fourth Class Marine Engineers as outlined by the CMAC. The workshops fulfill the skills training requirement of 150 hours for Fourth Class Marine Engineer candidates. Students will receive a Statement of Program Completion upon completing all three components (listing completion date, hours and courses). **All participating candidates MUST first check with their local Transport Canada Engineer Examiner before embarking on this alternate path to fulfilling the engineering skills requirements (see attached list of Transport Canada Centres).** For questions about program schedules and other administrative details, please contact Melany Hallam, Coordinator, at 1.877.888.8890 or 604.485.2878. **To register for the full program, please specify program code “CES” and course code “SET NUME F07N01”.** Program includes:

### Oxy-Acetylene & Arc Welding: Basic Skills

60 hours

**Objectives:** To introduce the student to the equipment and types of metals used in the performance of Oxy – Acet and Arc welding, the safe use of the equipment and the danger involved to the surrounding environment. We will look at equipment, safety gear, material handling devices, jigs, clamps, filler metals as to cost versus ease of use and deposit rate. Practical exercises will be performed each session. Students will be evaluated through practical and theory tests. Please note: Students must provide safety glasses, goggles, welding gloves, steel-toed boots, coveralls/old clothes (not polyester), welding hat or beanie, striker, chipping hammer, wire brush, tip cleaners; do not wear contact lenses. **Instructor:** Wayne Roine **Course code:** NUME 001 F07N01  
**Fall 2007 Schedule:** 10 sessions: Mon.-Fri., Sept. 17-28; 2:30-9:30 pm (one hour for dinner & breaks)  
**Location:** Malaspina University-College (Nanaimo) Welding Shop, Building 130.

**Cost per student:** \$1,249

### Electrical: Basic Skills

38 hours

**Objectives:** The Learner will be introduced to basic electrical theory; AC generator basic theory; the fundamentals of DC generators; the operation of the volt meter, ammeter, multimeter, bridge megger, wee megger, growler, tong tester, stroboscope; and the principles of paralleling of AC and DC generators. Students will be evaluated through practical and theory tests. **Instructor:** Don Skerik **Course code:** NUME 002 F07N01  
**Fall 2007 Schedule:** 5 sessions: Mon.-Fri., Oct. 1-5, 2007; 8:30 am-5:15 pm  
**Location:** Malaspina University-College (Nanaimo), Building 162, Room 102 (portable); labs will be held in new Electrical Shop (directions will be given in class)

**Cost per student:** \$619

### Machining: Basic Skills

60 hours

**Objectives:** To introduce the student to basic equipment and safety procedures in machining. We will look at practical layout, precision measurement, sharpening, lathe use and maintenance, threading, milling and more. Practical exercises will be performed each session. Students will be evaluated through practical and theory tests.

**Please note:** Students must provide own work boots, wear work clothes, do not wear contact lenses, bring safety glasses with side shields if you have them. **Instructor:** Ieuan Williamson **Course code:** NUME 003 F07N01

**Fall 2007 Schedule:** 10 sessions: Mon.-Fri., Oct. 15-26; 3:30-9:30 pm (half hour dinner break) and Sat., Oct. 20; 9 am-2:30 pm (half hour lunch break)

**Location:** Nanaimo District Senior Secondary Community School (NDSS), 355 Wakesiah Ave., Nanaimo (across the street directly south of Malaspina), Metal Shop.

**Cost per student:** \$1,099

**TO REGISTER (please quote program “CES” & course code “SET NUME F07N01”):**  
900 Fifth Street, Building 310, Nanaimo, BC V9R 5S5 • 250.248.2096 • 1.866.734.6252  
<http://www.mala.ca/ccs/courses/marine.asp>

Rev. July 10/07

## Transport Canada Centres, Marine Safety (BC)

### **TCC - Civil Aviation and Marine Safety**

620 - 800 Burrard Street  
**Vancouver, B.C.**  
V6Z 2J8  
Marine: (604) 666-5300

### **TCC - Marine Safety**

501 - 1230 Government Street  
**Victoria, B.C.**  
V8W 3M4  
Telephone: (250) 363-0394  
Facsimile: (250) 363-0330

### **TCC - Marine Safety**

Room L4 60 Front Street  
**Nanaimo, B.C.**  
V9R 5H7  
Telephone: (250) 754-0244  
Facsimile: (250) 754-0245

### **TCC - Marine Safety**

400-309 2nd Avenue West  
(Ocean Business Centre)  
**Prince Rupert, B.C.**  
V8J 3T1  
Telephone: (250) 627-3045  
Facsimile: (250) 624-9305

## Off-Campus Housing List, Nanaimo:

Search our off-campus housing website at:

[https://isweb.mala.bc.ca/housing\\_list/housing\\_list.asp](https://isweb.mala.bc.ca/housing_list/housing_list.asp)

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