

Steer towards superior training and certification





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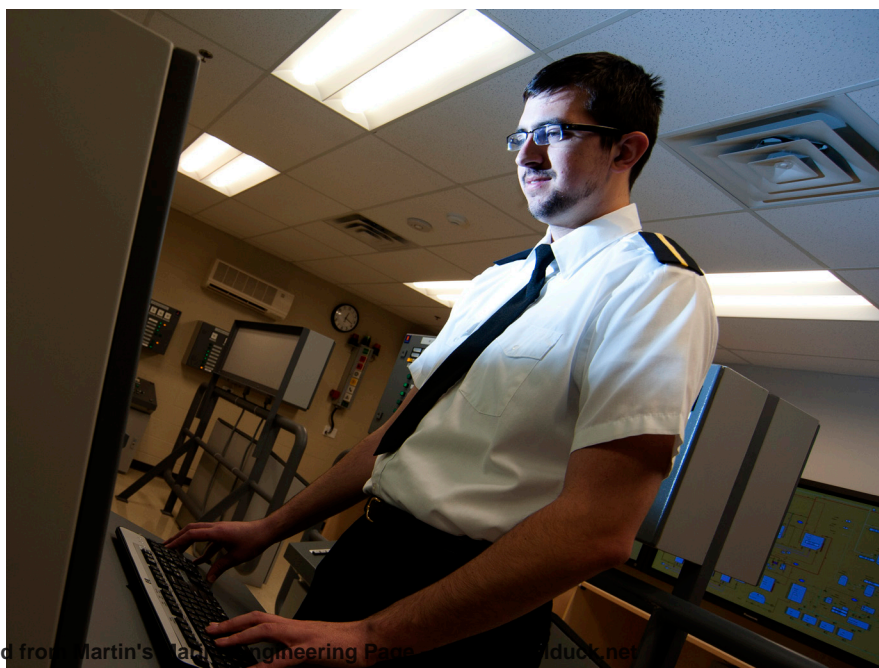


ALL OUR EQUIPMENT
HAS THE MOST
TECHNOLOGICALLY
ADVANCED SOFTWARE
IN NORTH AMERICA

4 TRANSAS NAVIGATION
BRIDGE SIMULATORS

1 KONGSBERG ENGINE
CONTROL ROOM SIMULATOR

12 PART TASK TRAINER
WORK STATIONS



➤ CONTACT US

Contact the Centre for Marine Training and Research (CMTR) in Owen Sound by phone, 519.376.0840 or 1.866.468.3225, or email CMTR@georgiancollege.ca. For up-to-date course listings, prices and information visit marinetraining.ca. For registration information please see below.

OWEN SOUND

1450 8TH ST. E.
OWEN SOUND, ON N4K 5R4
519.376.0840, EXT. 2061



➤ REGISTER TODAY

TO REGISTER BY EMAIL

Complete the registration form available on the Marine Training website (marinetraining.ca) and email to marinetraining@georgiancollege.ca. Deposits or full payment at the time of registration must be made by credit card. The remainder of the tuition must be paid prior to the first day of class and can be made by any of the methods under "Payment Methods" (page 23).

TO REGISTER BY PHONE

Registrations will be accepted by phone when payment is made using a credit card (American Express, MasterCard or Visa). To register for courses call 705.722.1516 or our toll-free number 1.888.812.7511 during regular business hours.

TO REGISTER BY FAX

Faxed registrations will be accepted 24 hours a day, seven days a week when payment is made using American Express, MasterCard or Visa. Please fax your registration form (found at marinetraining.ca) to 705.722.5118.

TO REGISTER BY MAIL

Mail-in registrations will be processed as received until courses are full. Payment can be made by credit card, certified cheque or money order made out to Georgian College. Personal cheques are not accepted.

Download and complete the course registration form from our website – marinetraining.ca and mail to:
Georgian College
Office of the Registrar – Marine Registrations
One Georgian Dr., Barrie, ON L4M 3X9

COMPANY BILLING

Company billing is available for sponsored employees. Please include an authorization letter on company letterhead detailing the company address, email and contact person with your registration form.

► INFORMATION

STCW 95 – STCW is an acronym for Standards of Training, Certification and Watch-keeping for Seafarers. STCW 95 is a certification standard mandated by the IMO to promote safety of life and property at sea and to protect the marine environment. Canadian Marine Emergency Duties courses have been revised to comply with the international training requirements of Regulation VI of the STCW Code.

THERE ARE TWO CATEGORIES OR STREAMS OF MARINE EMERGENCY DUTIES (MED) TRAINING:

Category 1: STCW Basic Safety, STCW Proficiency in Survival Craft and Rescue Boats (other than Fast Rescue Boats) and STCW Advanced Firefighting courses are intended for crews of large vessels and the cruise industry.

Category 2: MED DVS (formerly MED A1, A2) and MED A3 courses are intended for crews of small domestic/commercial vessels.

New seafarers require the following courses: Marine Basic First Aid, STCW Basic Safety and STCW Proficiency in Survival Craft and Rescue Boats (other than Fast Rescue Boats).

► PREREQUISITES FOR MED COURSES

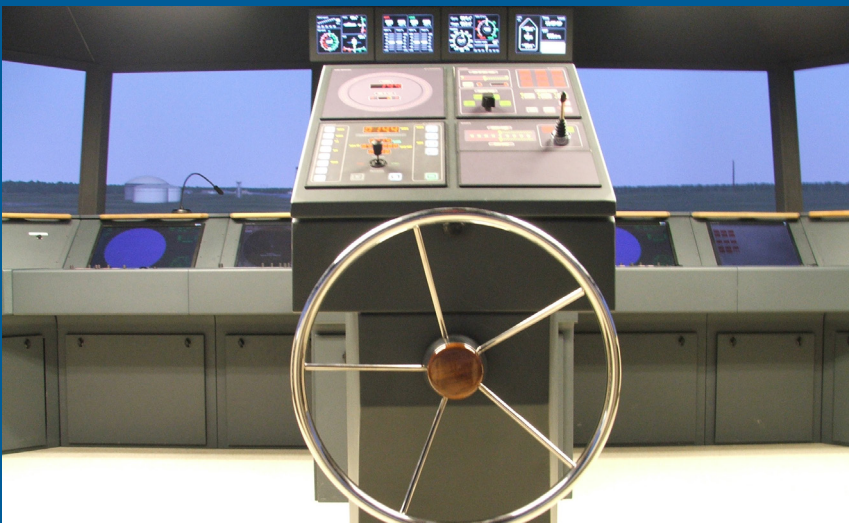
Applicants taking MED DVS (formerly MED A1, A2), STCW Basic Safety, STCW Proficiency in Survival Craft and Rescue Boats, STCW Advanced Firefighting, and MED Refreshers must be physically fit. A Medical Fitness Report is mandatory and must be submitted prior to the start of the course in order to register. A copy must also be brought to the first day of class and/or submitted to the marine office, A103 at the Owen Sound campus. The form is available for download on the CMTR website (marinetraining.ca). NOTE: Medical examinations completed within the past year are acceptable, provided that proof of the examination is supplied prior to the course. Medical fees and other course-related costs are the responsibility of the student. This medical fitness report does not replace the Transport Canada requirement for a medical examination certificate issued under the authority of the Marine Personnel Regulations.

Training in marine firefighting and in the use of lifeboats and life rafts requires participants to engage in moderately strenuous physical activity. Training activities include fighting fires while wearing heavy fire protective clothing and a breathing apparatus; working in areas with little or no visibility; righting an inverted life raft; treading water and swimming in water up to 10 feet in depth.

At course completion, a multiple choice exam will be conducted to evaluate the participant's knowledge and proficiency. Full attendance and participation is required to receive the Transport Canada Marine Safety and Security (TCMSS) certificate of training.

NAVIGATION TUTORIALS

Tutorials for navigation subjects, including Ship Construction and Stability; Chartwork and Pilotage; General Ship Knowledge; Meteorology; and Navigational Safety will be available in winter 2017. Please visit marinetraining.ca or contact us for more details.





➤ MEDs AND STANDARDS OF TRAINING, CERTIFICATION AND WATCH-KEEPING

BASIC SAFETY – MED STCW BS

This course includes theory and practical hands-on training in survival, personal safety, social responsibilities and firefighting. Attendees will gain proficiency through practical training exercises which include the use of fire extinguishers, firefighting equipment, and firefighting breathing gear; the use of lifejackets, survival suits and inflatable life rafts.

Course code: MARI 0184

Prerequisites: Minimum 16 years of age, Marine Basic First Aid, Medical Fitness Report

Course length: Six days (46 hours)

Course fee: \$1,995 (class size – max. 12)

PROFICIENCY IN SURVIVAL CRAFT AND RESCUE BOATS OTHER THAN FAST RESCUE BOATS – MED STCW PSC

This course will develop knowledge and skills to safely launch and use survival craft and rescue boats. Training items include: principles of survival, evacuation and helicopter rescue; actions to be taken when aboard a survival craft. Also included are practice drills in launching and recovering lifeboats, launching life rafts and donning personal survival equipment.

Course code: MARI 0183

Prerequisites: Minimum 16 years of age, Medical Fitness Report, STCW Basic Safety

Course length: Four days (30.5 hours)

Course fee: \$1,325 (class size – max. 12)

ADVANCED FIREFIGHTING – MED STCW AFF

This course is intended for officers and crew designated to control firefighting operations on large domestic vessels. Advanced firefighting tactics and leadership skills are developed through live firefighting exercises, lectures and hands-on demonstrations by experienced ship's officers and firefighters. At course completion, seafarers will have an understanding of the conduct of firefighting training for crew members; Emergency Response Team leadership; management and control of injured persons; incident recording; crowd management and search and rescue techniques.

Course code: MARI 0185

Prerequisites: Minimum 16 years of age, STCW Basic Safety, Medical Fitness Report

Course length: Five days (35 hours)

Course fee: \$1,650 (class size – max. 12)

This refresher series includes Basic Safety Refresher, Proficiency in Survival Craft and Rescue Boats other than Fast Rescue Boats Refresher and Advanced Firefighting Refresher.

Officer Refresher: Basic Safety, Proficiency in Survival Craft and Advanced Firefighting

Course code: MARI 0198

Prerequisites: Medical Fitness Report, minimum 16 years of age, STCW Basic Safety, STCW Proficiency in Survival Craft, STCW Advanced Firefighting, or MED A1, B1, B2, and Med C

Course fee: \$1,650 (class size – max. 12)

Rating Refresher: Basic Safety, Proficiency in Survival Craft

Course code: MARI 0199

Prerequisites: Medical Fitness Report, minimum 16 years of age, STCW Basic Safety, STCW Proficiency in Survival Craft or MED A1, B1, B2

Course fee: \$1,100 (class size – max. 12)

“ After graduating from Georgian, I continued my pursuit towards achieving higher commanding positions. Georgian helped me with the training that was required and helped me achieve my goals sooner than expected. I took SEN 2, where the instructors maximized and pushed the simulator to its capacity into making my experience as realistic as possible, in turn the outcome of the course lead to becoming more confident about the job and improving situational awareness. ”

Arnesh Misra, 2nd Officer, Algoma Central Corporation



► INFORMATION ABOUT MED TRAINING

CLOTHING REQUIREMENTS FOR MED TRAINING

The following clothing is required for the MED practical exercises:

- Swimsuit or shorts and a towel for pool exercises
- Outside winter clothing for fire or lifeboat exercises – hats, gloves etc.
- Clothing suitable for dirty environment – coveralls/ work clothes for firefighting exercises
- Heavy socks
- Steel-toed boots

The college provides full protective firefighting clothing, coveralls and boots. NOTE: Georgian College provides all standard sizes of immersion suits for the training. Candidates with special needs are required to bring their own immersion suits.

CLASS HOURS

Please note that the classes generally include weekends. Class size is restricted to a maximum of 12 to optimize practical training time and to lessen the risk of accidents.

TRANSPORT CANADA MARINE SAFETY AND SECURITY TRAINING CERTIFICATE

A Transport Canada Marine Safety and Security (TCMSS) training certificate will be issued upon course completion. Full attendance, participation and tuition payment prior to the start of class is required to receive any TCMSS certificate.



Photo credit: Arnesh Misra



Photo credit: Travis Cascagnette

▶ SMALL COMMERCIAL BOATING

MED DVS – DOMESTIC VESSEL SAFETY

This course was developed to comply with the requirements of the Marine Personnel Regulations on minimum training in personal survival techniques and firefighting for Canadian seafarers sailing on board passenger vessels, workboats or fishing vessels engaged on a voyage in Canadian waters. The new DVS course replaces the old MED A1 and A2 courses.

Course code: MARI 0191

Prerequisites: Marine medical, minimum 15 years of age

Course length: Four days (26 hours)

Course fee: \$920 (class size – min. eight, max. 12)

MED A3 (SMALL NON-PLEASURE VESSEL BASIC SAFETY)

The MED A3 course is for crew members of small non-pleasure vessels less than 150 gross tons, including fishing vessels operating not more than 25 miles offshore and passenger vessels, not including ferries, with unberthed accommodations, only on Near Coastal 2 and sheltered waters.

At course completion, participants will possess the basic skills to enable the mariner to better function in the marine environment. Topics include marine hazards and emergencies, marine firefighting, lifesaving appliances and abandonment, survival and rescue skills.

NOTE: Transport Canada Marine Safety and Security may accept a Pleasure Craft Operator Card (PCOC) for crew members in the following categories:

- Passenger carrying vessels less than eight metres and with fewer than six passengers sailing in sheltered waters
- Workboats (except tugs) less than eight metres sailing not more than two nautical miles from shore and/or in sheltered waters
- Fishing vessels less than 15 gross tonnage sailing not more than two nautical miles from shore and/or in sheltered waters

Please contact your local Transport Canada Marine Safety and Security office for clarification.

Course code: MARI 0029

Prerequisites: Minimum 15 years of age

Course length: One day (eight hours)

Course fee: \$280 (class size – min. 12, max. 24)

The MED A3 course can also be held on a demand basis throughout Canada. With a minimum enrolment, a course can be scheduled at your location at a time suitable to you. Please call 1.866.468.3225 to discuss this option. Visit marinetraining.ca for an updated list of course offerings in your area.

SMALL COMMERCIAL VESSEL OPERATOR PROFICIENCY (SVOP)

In accordance with the Canada Shipping Act, all commercial and fishing vessels regardless of length must have a certified master on board. A holder of a Small Vessel Operator Proficiency Training (SVOP) certificate can operate certain small commercial vessels and in some cases a Pleasure Craft Operator Card will be accepted by Transport Canada Marine Safety and Security.

The SVOP course has been tailored to meet the training needs of the small vessel master and is accepted in lieu of a master's certificate. Topics include stability, collision regulations, chartwork and pilotage, shipboard safety, pollution prevention, meteorology, Canadian buoyage system, radar, and the use of marine charts to execute a voyage.

Course code: MARI 0079

Prerequisites: Minimum 18 years of age, see note below

Course length: Four days (26 hours)

Course fee: \$640 (class size – min. 12, max. 24)

NOTE: There are no prerequisites to take the SVOP course. However, the SVOP certificate alone is not sufficient to operate your vessel. If your vessel operates more than two nautical miles from shore, all crew members as well as the Master/Operator is required to have a MED A3 certificate.

At least one crew member or the Master is required to have either Marine First Aid or a provincially recognized first aid course of at least 16 hours in duration.

For further detailed information, please refer to the Marine Personnel Regulations or contact your local Transport Canada Marine Safety and Security Office.

AREAS OF OPERATIONS

Near coastal voyage, Class 1 means a voyage (a) that is not a sheltered waters voyage or a near coastal voyage, Class 2; (b) that is between places in Canada, the United States (except Hawaii), Saint Pierre and Miquelon, the West Indies, Mexico, Central America or the northeast coast of South America; and (c) during which the vessel engaged on the voyage is always (i) north of latitude 6°N, and (ii) within 200 nautical miles from shore or above the continental shelf.

Near coastal voyage, Class 2 means a voyage (a) that is not a sheltered waters voyage; and (b) during which the vessel engaged on the voyage is always (i) within 25 nautical miles from shore in coastal waters of Canada, the United States (except Hawaii) or Saint Pierre and Miquelon, and (ii) within 100 nautical miles from a place of refuge.

Sheltered waters voyage means a voyage (a) that is in Canada on a lake, or a river above tidal waters, where a vessel can never be further than one nautical mile from the closest shore; (b) that is on the waters listed in Schedules 1 and 2 of the Vessel Certificate Regulations.

Unlimited voyage means a voyage that is not a sheltered waters voyage, a near coastal voyage, Class 2 or a near coastal voyage, Class 1.

The SVOP course can also be held on a demand basis throughout Canada. With a minimum enrolment, a course can be scheduled at your location at a time suitable to you. Please call 1.866.468.3225 to discuss this option. Visit marinettraining.ca for an updated list of course offerings in your area.

Please note that changes to Small Commercial Vessel Operator Proficiency will come into effect mid-2017. Please refer to marinettraining.ca for more details.

RESOURCES

Visit the Transport Canada website (tc.gc.ca) for more information on

- Small Fishing Vessel Safety Manual (TP10038)
- Small Vessel Compliance Program (SVCP) (TP1511E)
- Small Commercial Vessel Safety Guide (TP14070E)
- Are you a pleasure craft operator? Check the Safe Boating Guide (TP511E)



➤ MARINE FIRST AID

MARINE BASIC FIRST AID AND CPR

This is a Transport Canada approved first aid and CPR course for individuals who need basic training in first aid and CPR for the marine industry. The course develops skills needed to recognize and respond to cardiovascular emergencies, CPR Level A, AED (Automated External Defibrillation) and other topics including choking, airway and breathing emergencies and prevention of disease transmission. Marine Basic First Aid certificates are valid for five years.

Course code: MARI 0121

Course length: Two days (16 hours)

Course fee: \$265 (class size – min. eight, max. 12)

MARINE ADVANCED FIRST AID AND CPR

This Transport Canada-approved course provides comprehensive first aid and CPR training for individuals who need training in first aid and CPR for the marine industry. The course covers a variety of topics from basic first aid such as cardiovascular emergencies, CPR Level A, AED (Automated External Defibrillation) and other topics including choking, airway and breathing emergencies, prevention of disease transmission, toxicological hazards aboard ship, medical care of rescued persons and pharmacology. Marine Advanced First Aid certificates are valid for five years.

Marine Advanced First Aid is required by:

- Any person who wants to obtain a Master's or Officer's certificate or endorsement;
- Any person designated to provide first aid on board a vessel engaged on a near coastal voyage, Class 1 or unlimited voyage

Course code: MARI 0099

Course length: Four days (31 hours)

Course fee: \$640 (class size – min. eight, max. 12)

► NAVIGATION

AUTOMATIC RADAR PLOTTING AIDS (ARPA)

This intensive three-day course provides specialized training in the use of ARPA. It is a requirement for any bridge watch-keeping officer navigating a vessel equipped with ARPA radar. ARPA is a SEN 1 and 2 refresher course for applicants who wish to renew their certificate after a five year absence from the marine industry.

Course code: MARI 0104

Prerequisites: Successful completion of SEN 1 or SEN 2, CDN

Course length: Three days (24 hours)

Course fee: \$1,200 (class size – min. four, max. 12)

BRIDGE RESOURCE MANAGEMENT (BRM)

“Human error” can be a major factor in maritime accidents. This five-day course is aimed at improving safety and efficiency on board as it deals with the development of human resources and managerial skills of Masters, Navigating Officers and Bridge Watch-keepers.

The BRM course is highly interactive, involving a number of group discussions and case studies, and role-play exercises using bridge simulators.

Topics include situational awareness, communication skills, passage planning, bridge organization, leadership and teamwork, stress and fatigue, and relationship with pilots and crew.

Course code: MARI 0105

Prerequisites: CDN

Course length: Five days (30 hours)

Course fee: \$2,500 (class size – min. six, max. nine)

BRIDGE RESOURCE MANAGEMENT – REFRESHER (BRM-R)

This three-day course provides refresher training in the principles of Bridge Resource Management (BRM), operation of the Electronic Chart Display and Information System (ECDIS) and essential navigation skills to Masters, Chief Mates and Officers in charge of the navigation watch. This course uses case studies, seminar and simulator exercises to provide refresher training in situational awareness, error chains, communications and Bridge Team-Pilot relationships. The course focuses on recent developments in the BRM field in order to keep the attendees current with accepted BRM practices.

Course code: MARI 0164

Prerequisites: Full BRM course

Course length: Three days (24 hours)

Course fee: \$1,430 (class size – min. six, max. nine)

BRIDGE WATCH RATING (EXAM PREP)

This course is intended for mariners with a minimum of six months deck experience and will prepare them to challenge the TCMSS Bridge Watchman exam. Delivery will be a combination of theory and practical skills, e.g., seaman’s obligations, safe working practices, review of general ship knowledge, gyro and magnetic compass, keeping a lookout, detached duties including communication systems and verbal communications, rope work and wire splicing.

Other Transport Canada requirements include medical certificate, MED DVS (formerly MED A1), B1, B2, or STCW Basic Safety and STCW Proficiency in Survival Craft and Rescue Boats other than Fast Rescue Boats, Marine Basic First Aid and an eight-hour steering testimonial.

Course code: MARI 0065

Course length: Seven days (48 hours)

Course fee: \$1,170 (class size – min. eight, max. 16)

DEVIASCOPE

In this course, candidates will review practical compensation and adjustment of the magnetic compass using the deviascope. Topics include methods of obtaining a table of deviations, analysis of the table to obtain approximate coefficients; the permanent components P, Q and R, the induced components, their separate effects and their application to compensation of a ship's magnetic field and general principle of compass correction and methods of correcting for coefficients. The final examination is administered by a Transport Canada Marine Safety and Security Nautical examiner.

Course code: MARI 0134

Prerequisite: Pre-course reading material

Course length: Three days (18 hours)

Course fee: \$570 (TC examination fee is extra)

ELECTRONIC CHART AND DISPLAY INFORMATION SYSTEM (ECDIS)

An Electronic Chart Display and Information System (ECDIS) is a highly advanced and powerful navigational aid, specifically designed for enhancing safety at sea. Participants will be required to demonstrate proper use of the ECDIS equipment, including the use of navigational functions associated with route planning and monitoring; the ability to select, display and interpret relevant information and know what proper action to take in case of malfunction.

Course code: MARI 0187

Course length: Six days (40 hours)

Course fee: \$1,260 (class size – min. six, max. 12)

SIMULATED ELECTRONIC NAVIGATION 1 PART A (SEN 1A)

At course completion participants will possess a knowledge of the principles, the ability to use and the skill required for the correct operation of the following navigational equipment: radar, ARPA, Radar plotting, satellite navigation (GPS/DGPS), Loran-C, gyrocompass, auto pilot, course recorder and echo sounder.

Course code: MARI 0003

Prerequisites: CDN

Course length: 15 days Monday to Friday only (120 hours)

Course fee: \$1,850 (class size – min. six, max. 16)

SIMULATED ELECTRONIC NAVIGATION 1 PART B (SEN 1B)

At the completion of this course, participants will possess a thorough knowledge of the application of the collision regulations and the principles to be observed in keeping a navigational watch in a simulated environment. Electronic aids will be utilized to plot the ship's position and progress and, in a one-on-one ship situation, take necessary action to avoid collision without putting the vessel at risk.

Course code: MARI 0103

Prerequisites: 18 months sea time, knowledge of Chartwork (040/041), Rules of the Road (061/060), ROC-MC, SEN 1 Part A, CDN

Course length: 12 consecutive days (72 hours)

Course fee: \$1,550 (class size – min. four, max. eight) (TC examination fee is extra)

SIMULATED ELECTRONIC NAVIGATION 2 (SEN 2)

This course will enable participants to make appropriate decisions in complex navigational situations, to effectively manage the bridge watch-keeping team and to comply with the standards regarding watch-keeping in a simulated environment. Participants will prepare and execute a voyage plan from berth to berth using the necessary instruments and publications while assuming the duties and responsibilities of the master aboard ships having specified maneuvering characteristics.

Course code: MARI 0102

Prerequisites: SEN 1 Parts A and B or Transport Canada Marine Safety and Security approved qualifying service, ROC-MC, CDN

Course length: 13 consecutive days (84 hours)

Course fee: \$1,995 (class size – min. four, max. eight) (TC examination fee is extra)

SIMULATED ELECTRONIC NAVIGATION LIMITED (SEN L)

SEN Limited is a 30-hour course intended for officers of commercial vessels over 60 gross tonnage and fishing masters. Attendees will gain knowledge of the principles, the ability to use and the skill required for the proper operation of typical navigation electronic equipment found on board a coastal vessel. Topics include plotting and charting exercises; basic knowledge of navigational instruments such as GPS, Echo Sounders, LORAN C and collision avoidance.

Course code: MARI 0088

Prerequisites: Knowledge of Chartwork and navigation safety, CDN

Course length: Five days (30 hours)

Course fee: \$825 (class size – min. six, max. 12)

PILOTAGE

This course will enhance the technical knowledge to complement the qualifications and experience of professional mariners to achieve competency to undertake Pilotage duties throughout the Great Lakes Pilotage Authority (GLPA) districts. Deck Officers who have successfully completed this program will be able to demonstrate that they have the skills needed to pilot the various rivers and ports in the Great Lakes/St. Lawrence system.

These pilotage skills will include:

- Planning a passage in the district
- Conducting their ship safely and efficiently, avoiding obstacles to navigation
- Deciding what action to take in bad weather and in emergency situations
- Performing docking and departure maneuvers, canalling, anchoring, and piloting in ice

Course code: MARI 0135

Prerequisites: CDN, six months watch-keeping experience or company recommendation

Course length: Five days (40 hours)

Course fee: \$9,800 per bridge, max. two per bridge

SHIP-HANDLING

The course examines the theory and practice of ship-handling. It includes an abundance of simulator time for attempting and mastering various maneuvers. The course is specifically designed and recommended for Chief Mates who will soon sail as Master.

Subject matter includes the proper relationship between engines and helm for ship maneuvering; and, the effects on ship behaviour caused by wind, current, shallow water, banks, narrow channels and conditions of loading. Everything is reinforced by practical application exercises performed on the bridge and the simulators.

Course code: MARI 0109

Course length: Five days (30 hours)

Course fee: \$2,315 (class size – min. six, max. nine)

ADVANCED SHIP-HANDLING

This course is based on sophisticated ship simulation which portrays both the vessel and the geographic areas in which the vessel is moving. Training in the simulator is provided by skilled Georgian College personnel who are guided by Canadian Ship Masters with many years of experience on the seaway.

The course is designed around major ship maneuvering evolutions, including traffic situations, arrival/departure, anchoring, and maneuvering in channels. Programs can be tailored to specific shipping company operations, vessels and ports.

Course code: MARI 0110

Prerequisites: Full ship-handling course

Course length: Three days (20 hours)

Course fee: \$1,325 (class size – min 6, max. 9)

Please note: Changes to navigation courses will come into effect in 2017. Please refer to marinettraining.ca for the most up-to-date information.

UPCOMING NAVIGATION COURSE CHANGES IN 2017

The course titles, durations and prerequisites of most of the Certification and Regulatory Navigation courses will change significantly in 2017. Although the effective date is still to be decided, the anticipated changes are listed below

CURRENT COURSE NAME	PROPOSED COURSE NAME	PREREQUISITES
N/A	Electronic Positioning Systems (EPS) (90 hours)	This is a new course effective 2017 and will be a prerequisite for most navigation courses.
ECDIS (30 hours)	ECDIS (40 hours)	EPS, Chartwork and Pilotage Level 2
SEN Limited (30 hours)	SEN Limited (SEN-L) (70 hours)	Chartwork and Pilotage Level 1, Navigation Safety Level 1, ROC-MC
SEN 1 (Part A:120 hours, Part B: 72 hours)	SEN Operational (SEN-O) (120 hours)	EPS, Chartwork and Pilotage Level 2, Navigation Safety Level 1, ROC-MC, six months sea time
SEN 2 (84 hours)	SEN Management (SEN-M) (120 hours)	EPS, ECDIS, Navigation Safety Level 2, SEN-O, OOW CoC
ARPA (24 hours)	SEN-R (30 hours)	EPS, Navigation Safety Level 1, SEN-O or SEN-M, OOW or OOW NC CoC
BRM (30 hours)	BRM (TBD)	SEN 1, SEN 2, SEN-O or SEN-M, OOW or OOW NC CoC

ENGINEERING

PROPULSION PLANT SIMULATOR LEVEL 1 – SHIP WATCH-KEEPING PRACTICES

This course is designed to provide knowledge of the safe and efficient operation of the ship's machinery to watch-keeping engineers. Upon successful completion of this course an applicant will receive a training certificate that is required to obtain one of the following certificates of competency or endorsement:

- Third-Class Engineer, Steamship or Motor Ship
- Fourth-Class Engineer, Steamship or Motor Ship
- Watch-keeping Engineer, Motor-Driven Fishing Vessel
- Maintenance Supervisor MOU/Self-Elevating

Prerequisites: CDN. Entry to this course is open to individuals with basic marine background and knowledge and to marine engineers who wish to improve their knowledge and understanding of the operation and control of the machinery installation of a modern merchant ship. However, the following prerequisites are to be complied with:

- An applicant has completed a minimum of six months of sea service performing duties related to an engineering position on board a vessel
- An applicant is registered with a Marine Engineer Cadet Training Program as defined in TP 8911

Course code: MARI 0170

Course length: 14 consecutive days (80 hours), includes Saturday and Sunday (daily class hours will vary)

Course fee: \$2,050 (class size – min. five, max. eight) (TC examination fee is extra)

PROPULSION PLANT SIMULATOR LEVEL 2 – SHIP MANAGEMENT PRACTICES

This course is designed to provide knowledge of corrective actions to be taken in problem-solving in the recognition of signs and symptoms of a deteriorating function of ships' machinery. Upon successful completion of this course an applicant will receive a training certificate that is required to obtain one of the following certificates of competency or endorsement:

- First-Class Engineer, Steamship or Motor Ship
- Second-Class Engineer, Steamship or Motor Ship
- Maintenance Supervisor, MOU/Surface
- Chief Engineer Endorsement, Steamship or Motor Ship

Prerequisites: CDN. The following prerequisites and conditions are to be complied with:

- An applicant must have obtained a certificate of competency at a minimum level of a 4th class Engineer STCW endorsed
- While holding at the minimum a certificate of competency at the 4th class Engineer level, an applicant must have completed a minimum of six months of sea service, as engineer in charge of an engineering watch or in charge of the machinery, on board a vessel of at least 750 KW

Course code: MARI 0171

Course length: 14 consecutive days (80 hours) includes Saturday and Sunday (daily class hours will vary)

Course fee: \$2,050 (class size – min. five, max. eight) (TC examination fee is extra)

REGISTER NOW – 705.722.1516 OR 1.888.812.7511

marinettraining@georgiancollege.ca

This document, and more, is available for download from Martin's Marine Engineering Page - www.dieselduck.net



ENGINE ROOM RATING (EXAM PREP)

This course is intended for mariners with a minimum of six months engine room experience and will prepare them to challenge the TCMSS Engine Room Rating exam.

Delivery will be a combination of theory and practical skills, e.g., Safe Working Practices, engine room watch-keeping procedures, communication skills, terms used in machinery spaces, the names of machinery and equipment, basic environmental protection, engine room alarm systems.

Other Transport Canada requirements include: Medical certificate, MED DVS (formerly MED A1), B1, B2 or STCW Basic Safety and STCW Proficiency in Survival Craft and Marine Basic First Aid.

Course code: MARI 0066

Course length: Seven days (48 hours)

Course fee: \$1,095 (class size – min. four, max. eight)

ENGINE ROOM RESOURCE MANAGEMENT

“Human error” can be a major factor in maritime accidents. This four-day course is aimed at improving safety and efficiency on board. This course is high in participation with group discussions, case studies, role playing and engine room simulation as the focus. Topics include situational awareness, error chain and risk, communications, STCW requirements for engineers, decision-making, teamwork and leadership, stress and fatigue, Master-chief Engineer relationship, engine room simulation. Please note: there are changes to Engine Room Resource Management coming in 2017. Please refer to marinettraining.ca for more information.

Course code: MARI 0010

Course length: Four days (30 hours)

Course fee: \$2,315

OIL AND CHEMICAL TANKER FAMILIARIZATION

This course covers the design and development of different types of oil and chemical tankers, their operations and handling systems during loading, transit, discharge and washing, and the safe handling of their cargo. Topics include the chemical and physical properties of different cargo, electrostatics, basic gas principles, health and safety emergency procedures, and pollution prevention. Upon successful completion of the course, students will be issued a Transport Canada certificate for Oil and Chemical Tanker Familiarization and will be able to assume the duties and responsibilities related to the loading, discharging or transfer of cargo and the operation of cargo equipment.

Course code: MARI 0146

Prerequisites: STCW Basic Safety

Course length: 10 days (60 hours)

Course fee: \$1,600

➤ RADIO COMMUNICATIONS

RESTRICTED OPERATOR'S CERTIFICATE – MARITIME COMMERCIAL (ROC–MC)

This course is intended for mariners serving on compulsorily-fitted commercial ships within the North American A1 sea areas. It is compliant with the International Convention on Standards of Training, Certification and Watch-keeping for Seafarers, 1978, as amended in the 1995 (STCW 95 Regulation IV/2). The material presented in this course covers the scope of the examination for the Restricted Operator's Certificate – Maritime Commercial (ROC-MC) for the Global Maritime Distress and Safety System (GMDSS).

Course code: MARI 0019

Course length: Three days (24 hours)

Course fee: \$600 (class size – min. six, max. 12)

GMDSS – GENERAL OPERATORS CERTIFICATE (GOC)

This training course is intended for seafarers who require a Global Maritime, Distress and Safety System (GMDSS) General Operators Certificate in accordance with Section A-IV/2 of the STCW Code. Course content is a combination of theoretical delivery and practical operation of varied communication equipment.

Course code: MARI 0107

Prerequisites: 18 years or older

Course length: 10 days (70 hours)

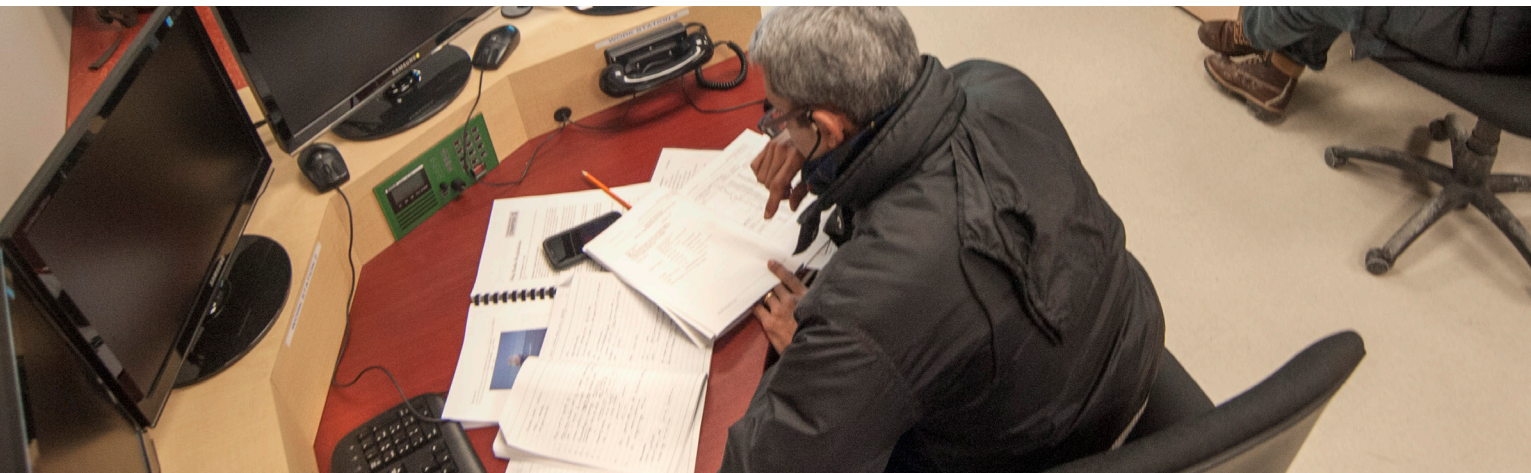
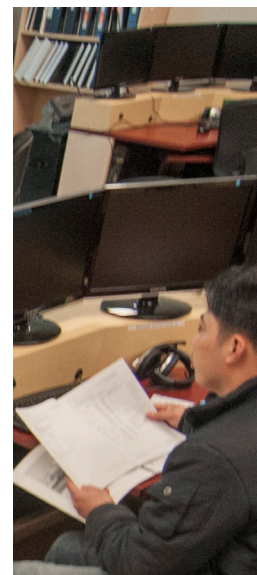
Course fee: \$1,275 (class size – min. six, max. 12)

NOTE: Candidates must bring two (2) citizenship/passport photographs for their GOC certificate.

TRANSPORT CANADA MARINE SAFETY AND SECURITY OFFICES

For other provinces and further details, please visit Transport Canada's website at tc.gc.ca/eng/regions.htm.

Sarnia, ON, 100 Front St. S., N7T 2M4	519.383.1826
Toronto, ON, 4900 Yonge St., Ste. 400, M2N 6A5	416.952.1018
Kingston, ON, 31 Hyperion Ct., Ste. 201, K7K 7G3	613.545.8676
St. Catharines, ON, 43 Church St., Ste. 707, L2R 7E1	905.688.4360
Thunder Bay, ON, 33 South Court St., Ste. 103, P7B 2W6	807.345.6953
Winnipeg, MB, 344 Edmonton St., R3C 0P6	1.888.463.0521
Edmonton, AB, 1100-9700 Jasper Ave., T5J 4E6	1.888.463.0521





➤ MASTER CERTIFICATES

MASTER LIMITED CERTIFICATE (EXAM PREP)

Every commercial vessel over five gross tonnage (including passenger vessels) must have someone on board with a Master Limited Certificate.

This course is intended for mariners wishing to attain certification to operate a small commercial vessel up to 60 gross tonnage. Topics include navigation safety, aids to navigation, meteorology, ship stability, shipmaster's business, chart knowledge, coastal navigation and general seamanship.

This course includes classroom instruction as well as practical training and assessment utilizing Georgian College's state-of-the-art simulators. Practically all types of small commercial vessels are simulated with all of the systems you might have on-board your own vessel and more. Simulated exercises will include Rules of the Road and Navigation Systems, as well as Ship handling and Maneuvering. Bring your sea legs as the sensation of motion is realistic and dramatic.

There are no prerequisites to take the Master Limited (under 60 gross tonnage) course.

Listed below are the additional Transport Canada Marine Safety and Security requirements for a Master Limited (under 60 gross tonnage) certificate:

- TCMSS Marine Medical (must be obtained from TCMSS approved doctor)
- Marine Basic First Aid
- Marine Emergency Duties DVS (formerly MED A1, A2), MED DVPS (formerly MED A2) for passenger-carrying vessels
- ROC-M radio licence or ROC-MC depending on area of operation
- Two months sea service, performing deck-related duties on a ship of not less than five (5) gross tonnage

After the course is completed, and all the requirements listed above are met, candidates will be required to contact TCMSS and complete the written, oral and practical examinations with a TCMSS examiner. Questions will be based on the area of operation, type of craft, number of passengers carried on board and type of equipment carried on board.

The Master Limited (under 60 gross tonnage) Certificate issued by TCMSS is vessel specific and area specific.

If you are unsure of the certification you need or if you are unsure if you meet the sea service requirements, please contact your local Transport Canada Marine Safety and Security office. Office locations and Transport Canada approved doctors can be found at tc.gc.ca.

Course code: MARI 0155

Course length: 10 days (80 hours)

Course fee: \$1,530 (class size – min. 9, max. 16)

FISHING MASTER FOURTH CLASS OF A FISHING VESSEL 15 TO 100 GROSS TONS

The Fishing Masters IV Certificate is an internationally recognized designation issued by Transport Canada Marine Safety and Security (TCMSS). The holder of a Fishing Master, Fourth Class (FM IV) Certificate may act as a master on board a fishing vessel of not more than 100 gross tonnage engaged on a near coastal 1 (up to 200 miles offshore) or sheltered waters voyage and as an officer in charge of a watch of a fishing vessel of any tonnage engaged on a near coastal 1 or sheltered voyage.

Candidates will be required to pass the following TCMSS examinations:

- Chartwork and Pilotage Level 1
- Navigation Safety Level 1
- Ship Construction and Stability Level 1
- Oral examination on General Seamanship

Listed below are the additional Transport Canada Marine Safety and Security requirements for the Fishing Master IV certificate:

- TCMSS Marine Medical (must be obtained from a TCMSS approved doctor)
- Marine Advanced First Aid
- SEN Limited
- Marine Emergency Duties DVS (formerly MED A1)
- ROC-MC radio licence

Sea service required:

- 12 months sea service performing deck duties on one or more fishing vessels that are six metres in length

Course code: MARI 0172

Course length: 150 hours

Course fee: Available upon request

If you are unsure of the certification that you need or if you are unsure if you meet the sea service requirements, please contact your local Transport Canada Marine Safety and Security Office. Office locations and Transport Canada-approved doctors can be found at tc.gc.ca.

MASTER LIMITED 150 GROSS TONNAGE DOMESTIC

The Master Limited 150 Domestic Certificate is a new certificate offered in accordance with the Canada Shipping Act 2001.

The holder of a Master 150 Gross Tonnage Domestic may act as:

- Master on board a vessel of not more than 150 gross tonnage, engaged on a near coastal voyage, Class 2
- Master on board a vessel of not more than 500 gross tonnage engaged on sheltered waters voyage
- Master on board a vessel of not more than 150 gross tonnage engaged on limited voyage, contiguous waters, if endorsed as such

Listed below are the additional Transport Canada Marine Safety and Security (TCMSS) requirements for the Master 150 Gross Tonnage Domestic Certificate:

- STCW Basic Safety
- STCW Proficiency in Survival Craft
- STCW Advanced Firefighting
- ROC-MC Radio Licence
- SEN Limited
- Marine Advanced First Aid
- TCMSS Marine Medical (must be obtained from a TCMSS approved doctor)

Candidates will also be required to pass the following TCMSS examinations:

- Chartwork and Pilotage Level 2
- Navigation Safety Level 1
- Meteorology Level 1
- Ship Construction and Stability Level 3
- General Ship Knowledge Level 3

Sea service required:

- 24 months performing deck related duties

If you are unsure of the certification you need or if you are unsure if you meet the sea service requirements, please contact your local Transport Canada Marine Safety and Security office. Office locations and Transport Canada approved doctors can be found at tc.gc.ca.

Please contact CMTR@georgiancollege.ca for course pricing and dates.



SAFETY TRAINING IS CRUCIAL TO PREVENTING
COSTLY AND DEMORALIZING ACCIDENTS

➤ HEALTH AND SAFETY

CONFINED SPACE ENTRY AWARENESS

This course is designed for participants who have little or no working knowledge of the proper procedures that must be followed prior to entering a confined space in order to perform various tasks within a confined space. Participants must successfully complete and pass both the theoretical and practical components of this safety training course to receive their training certificate.

Course code: MARI 0073

Course length: Two days (16 hours)

Course fee: \$425

With a minimum enrolment courses can be scheduled at a location and time suitable for you (available upon request). Please call 1.866.468.3225 to discuss this option.

VESSEL PERSONNEL WITH SECURITY RESPONSIBILITY

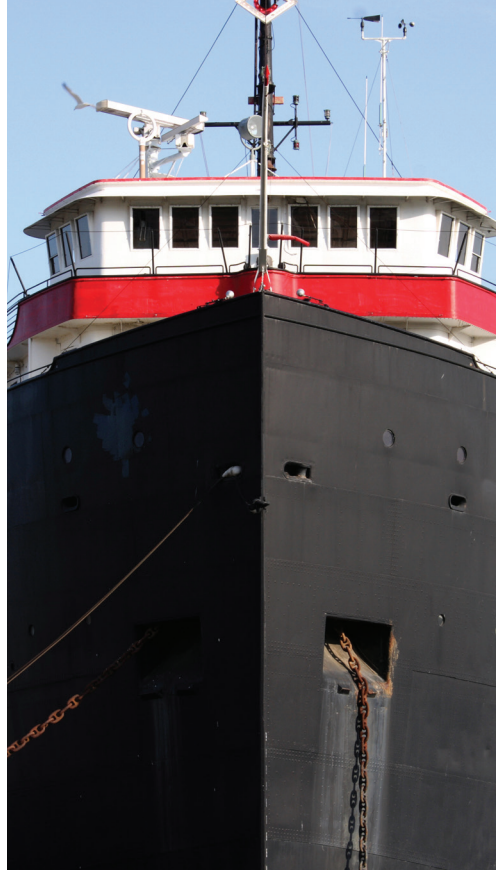
This course is intended to provide the knowledge required for seafarers with designated security duties in connection with a Ship Security Plan to perform their duties in accordance with the Marine Transportation Security Act (MTSA)*, the Marine Transportation Security Regulations (MTSR)*, the International Ship and Port Facility Security (ISPS) Code and the IMO model course as appropriate to the submission: (3.19, 3.26, 2.27). The aim of this course is to fully explain to vessel personnel their potential responsibilities on board their vessels. Those successfully completing the course will be able to demonstrate sufficient knowledge to undertake the duties under the Vessel Security Plan.

Course code: MARI 0194

Course length: 11.5 hours

Course fee: \$535

If you are looking for Maritime Occupational Health and Safety for Mariners, Personal Protective Equipment training or Violence in the Workplace training, please call 1.519.376.0840 or toll-free at 1.866.468.3225 for details.



➤ GENERAL INFORMATION

LOCATION

Georgian College Owen Sound Campus
1450 8th St. E.
Owen Sound, ON N4K 5R4

Call us at 519.376.0840 or toll-free 1.866.468.3225.

ACCOMMODATION

There are several motels within walking distance of the college. Please visit tourism.owensound.ca for a list of Owen Sound's motels and hotels, or check our website at marinettraining.ca.

CAMPUS AMENITIES

Full cafeteria service is available weekdays from 7:30 a.m. to 4:30 p.m. (hours may vary). Vending machines and a microwave are also available. The cafeteria is closed on the weekends and throughout the summer, so please bring a bagged lunch and refreshments or be prepared to purchase lunch off-campus. A fitness centre is also available; membership rates are available online at georgiangrizzlies.ca.

CLASS HOURS

Class start times vary and dates generally include weekends. Please check your confirmation material for your class start time. If changes occur to the class start times you will be notified of the changes either by phone or email.

CLOSURE DUE TO WEATHER CONDITIONS

Georgian College will remain open for all classes and services unless extreme weather conditions dictate closure or class cancellation. This decision is made by the Campus Principal. Closure of the college and widespread cancellation of classes will be announced on our website and on local radio stations.

PARKING

Georgian College uses an automated parking system at the Barrie, Midland, Orillia, Owen Sound and South Georgian Bay campuses, employing gate arms activated by a parking card, a set coin fee, or tokens upon exit. Parking on campus is on a first-come, first-served basis in all parking areas. It is imperative that individuals leaving vehicles on college grounds overnight contact Campus Safety and Security. NOTE: Georgian College assumes no risk or responsibility for damage to, or loss of, a vehicle, or its contents, no matter how caused. For full information on this procedure, please refer to the Parking policy on the policies and procedures page of the Georgian College website.

The fee is \$6 before 7 p.m.; \$3 after 7 p.m. (including weekends). It is necessary to have the correct change for the machine. You can also purchase a parking card from the Registration Office for \$50.50 per month (fees subject to change).

SMOKING POLICY

The Smoke-free Ontario Act applies to all campuses of Georgian College. The college is responsible under this legislation to ensure compliance with the smoking regulations under the act. The intent of the act is to provide a near-complete ban on smoking in any enclosed space. At Georgian College, smoking is restricted to specific areas away from building entrances. For further information on this procedure, please refer to the Smoking policy on the policies and procedures page of the Georgian College website. Students who violate this policy will be subject to sanctions available through the college as well as applicable provincial legislation. Avenues pursued may include the Student Code of Conduct, the levying of a monetary fine, and escalating sanctions up to and including expulsion. Violations will be tracked by Campus Safety and Security and notations made to student files as appropriate. At the Owen Sound Campus, the smoking area is located in the gazebo at the back of the building.

LOCKDOWN PROCEDURE

Although highly unlikely, the possibility of a violent incident occurring at a Canadian postsecondary institution has become a reality in today's society. Accordingly, the college has developed and implemented a lockdown procedure to provide general direction to the college community during an incident in which a lockdown might occur. This lockdown procedure is a resource tool that provides general principles and guidance to members of the Georgian community and is designed to increase the level of preparedness in an attempt to limit the impact of an occurrence. It is expected that students and staff will read the lockdown procedure so they will know how to respond appropriately should an incident occur. For further information on this procedure, please refer to the lockdown procedure on the policies and procedures page of the Georgian College website.

TUITION AND OTHER FEES

All fees are subject to review and may be changed. Some course fees are subject to HST. Income tax receipts will be available online to eligible students at the end of February.

TRANSPORT CANADA MARINE SAFETY AND SECURITY TRAINING CERTIFICATE AND EXAM FEES

A Transport Canada Marine Safety and Security (TCMSS) training certificate will be issued upon completion of course hours and passing of exam, as required by TCMSS. The examiner from TCMSS will request an examination fee of \$55 for the PPS, SEN 1 and SEN 2 exams. Payment by certified cheque (payable to Transport Canada) is acceptable. We will require your Candidate Document Number issued by TCMSS.

NOTE: If you are requesting a reprint of a TCMSS training certificate, you must include a letter of explanation outlining the circumstances, plus a copy of the lead page in your discharge book. If you do not have a discharge book, we require a copy of your driver's licence. This does not automatically guarantee the replacement of the TCMSS training certificate. A charge of \$54 applies and must be paid in advance.

CANDIDATE DOCUMENT NUMBER (CDN)

Persons who require a Canadian Maritime Document or other Transport Canada Marine Safety and Security (TCMSS) document, issued by or on behalf of TCMSS under Part 3 of the Canada Shipping Act, 2001 (CSA 2001), must first obtain a Candidate Document Number (CDN). Applications for a CDN can be obtained from the TCMSS website at tc.gc.ca or from the Marine Training website at marinetraining.ca.

NOTE: As of May 2016, Candidate Documentation Numbers are no longer required for enrolling in STCW MED courses, non-STCW MED courses, Marine Basic First Aid or Marine Advanced First Aid. However, they are required for candidates applying for Certificates of Proficiency or Certificates of Competency. Please note that a CDN will continue to be a prerequisite for all non-MED courses such as those designated as Navigation or Engineering courses. Please refer to individual course requirements for more information.

PHOTO ID

You must bring one piece of current identification bearing your photograph.

LIBRARY CARD

Library cards can be obtained at the Owen Sound Campus Library and will be active in one-month increments. For more information, call 519.376.0840, ext. 2035 or visit library.georgiancollege.ca. You may also register for a free e-book account. When you receive your library card, you will find a 13-digit identification number on the bottom of the card. You will need this number to access the e-book site. Please note that e-books are copyright protected and are not to be printed.

PAYMENT METHODS

All taxes are included on most courses. Payment of course fees must be made at time of registration, whether by email, mail, phone or in person. Payments can be made by credit card, certified cheque or money order. Personal cheques are not accepted. Payments can also be made at a bank payable to "Georgian College Tuition" (account number is your student number). If a course fee is under \$1,000, payment is required in full at time of registration. If a course fee is over \$1,000, and it is requested, a \$500 deposit will be accepted at the time of registration. The balance is due prior to the start of the course.

OFFICIAL INCOME TAX RECEIPT (T2202A)

Official Tuition and Education Amount Certificates (T2202As) will be available online at sis.georgianc.on.ca by Feb. 28 each year. Forms will not be mailed to students. Your user I.D. will be your nine-digit student number. This number appears on the receipt sent to you at the time of registration and your PIN will be your six-digit date of birth YYMMDD.

COURSE DATES AND TUITION

All course dates and tuition/fees are subject to change.

COURSE CANCELLATIONS AND TRANSFERS

Every course in this calendar must have a minimum enrolment. If an activity is cancelled due to insufficient enrolment, registrants will be notified. Registrants may transfer to another course or seminar in the same semester or receive a full refund. Georgian College's Centre for Marine Training and Research cannot be held responsible or liable for any other fees, such as but not limited to travel, hotels, loss of work, etc., which are outside of our control.

ATTENDANCE POLICY

Candidates must have a minimum of 90 percent attendance for in class/theory portions, however attendance must be 100 percent in skill demonstration to obtain the TCMSS training certificate. 90 percent attendance is only to accommodate force majeure circumstances that may prevent a candidate from achieving full 100 per cent attendance.

COURSE TRANSFER AND REFUND POLICY

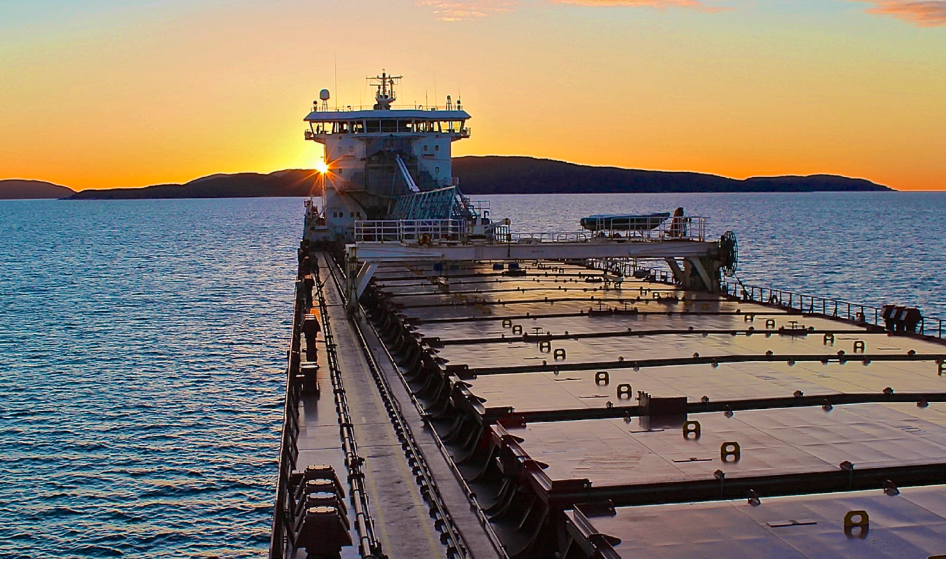
Withdrawals made five full business days or more before the training date will be eligible for a refund, less a \$50 administration charge.

Registrants who withdraw from a course less than five full business days prior to the start of the course are not entitled to a refund.

Transfers into another course can be completed up to five full business days before the training date.

Payments made by credit card will be refunded to the credit card on request. All other refunds will be paid by cheque. Please allow three weeks processing time. Note that registrants who fail to attend scheduled activities are not entitled to a refund.





CONTACT INFORMATION

Call 519.376.0840, ext. 2601, email CMTR@georgiancollege.ca,
or visit marinetraining.ca.

To register, call 1.888.812.7511 or 705.722.1516, email marinetraining@georgiancollege.ca
or fax 705.722.5118.

 **Georgian**
Centre for Marine
Training and Research