

Alaska Maritime Training Center



The mission of the Alaska Maritime Training Center is to provide Alaskans statewide with the skills and technical knowledge to enable them to be productive in our continually evolving maritime and fishing industries.

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Industry Certifications:

Most of AVTEC's maritime license and certificate programs are U.S. Coast Guard (USCG) approved. Many meet the STCW criteria of the International Maritime Organization. These courses have received approval from the USCG Commandant and may be required for certain licenses or certificates. AVTEC is approved for USCG third party testing. Completion of some classes count toward sea service for a license.

Alaska Maritime Training Center

The goal of the Alaska Maritime Training Center is to promote safe and profitable marine operations by effectively preparing captains and crewmembers for employment in the Alaska maritime industry.

Courses offered at the Alaska Maritime Training Center fall into four basic groups: USCG-approved courses, marine safety training courses, emergency medical services courses, and miscellaneous AVTEC maritime courses. In addition to the standard classes listed below, customized training and research are available to meet the specific needs of individual mariners and maritime companies.

From a world-class full mission bridge simulator, students learn by doing, directed by staff that has extensive background in the marine and fishing sectors. Students train on color echo sounders, modern electronic navigation equipment, and a variety of hydraulic, electrical, and engine systems



Maritime Course Listing

U.S. Coast Guard Approved Courses

Able Seaman; Automatic Radar Plotting Aids (ARPA); Basic Fire Fighting, Basic Safety Training, Bridge Resource Management (BRM); First Aid, Global Maritime Distress & Safety System (GMDSS); Marine License Preparation – Master Mate; Medical Care Provider; Meteorology; Operator of Uninspected Passenger Vessels (OUPV); Personal Safety and Social Responsibilities, Personal Survival Techniques, Proficiency in Survival Craft; QMED Oiler; Original: Radar Observer (Unlimited); Refresher: Radar Observer (Unlimited); Recertification: Rating Forming Part of Navigational Watch; Seafood Processor Orientation and Safety Course; Shipboard Emergency Medicine; Tankship – Dangerous Liquids; Visual Communications/Flashing Lights

Miscellaneous AVTEC Maritime Courses

FCC Marine Radio Operators Permit Examination

U.S. Coast Guard Approved Courses

Able Seaman

U.S. Coast Guard Approved Class, two weeks

Offered in conjunction with the Merchant Marine Document Program or as a stand-alone course, this course prepares students for the Able Seaman's examination. At least 180 days of sea time aboard a vessel of 15 Gross Tons or greater is required for Able Seaman Special Endorsement. Applicants successfully completing this 80-hour course will satisfy the written examination requirements of 46CFR 12.05-9 for any Able Seaman endorsement.

Note: Most AB endorsements also require additional Basic Safety Training, Lifeboatman, Proficiency in Survival Craft, and Rating Forming Part of a Navigational Watch training depending upon the level of certification required.

Automatic Radar Plotting Aids (ARPA) Operations

U.S. Coast Guard and STCW 95 Approved Class, five days

This STCW 95 required course is to train mariners in the proper use of automatic radar plotting aids (ARPA). Hands-on simulation is conducted using Polaris-simulated and Kongsberg-simulated ARPA's. The successful completion of

the course entitles attendees to earn a STCW 95 approved ARPA certificate and a radar observer (Unlimited) endorsement renewal.

Prerequisite: Radar Observer (Unlimited) Original.

Bridge Resource Management (BRM), five days

U.S. Coast Guard Approved Class, five days

Any applicant who has successfully completed the 35-hour Bridge Resource Management course will: 1) satisfy the requirements of 46 CFR 10.205(o) and the requirements of Section BVIII/2, Part 3-1 of the STCW Code; and 2) be considered to have successfully demonstrated the equivalent of the following assessments from the National Assessment Guidelines for Table A-II/1 of the STCW Code: OICNW-2-3B; OICNW-2-3C; OICNW-2-3D; OICNW-2-3E; OICNW-2-3F; OICNW-2-3G; and OICNW-2-3H. Applicants who have successfully completed this course need not present completed "Control Sheets" for these assessments in application for STCW certification.

Global Maritime Distress & Safety System (GMDSS)

U.S. Coast Guard and STCW 95 Approved Class, 10 days

This 10-day USCG approved course satisfies the STCW'95 requirements for GMDSS training; this class focuses on the theory of GMDSS and the practical operation of shipboard equipment, using an interactive Capella simulator for laboratory sessions. Students in this class may also test for the FCC GMDSS Operator License. There is an additional \$105.00 fee for this license.

Prerequisite: Must have Marine Radio Operators Permit.

Marine License Preparation – Master Mate

U.S. Coast Guard Approved Class, nine weeks/337.5 hours

Any applicant successfully completing the nine week Master Not More Than 200 Gross Tons Program and presenting a Certificate of Training at a Regional Exam Center within one year of the completion of training, will: 1) satisfy the examination requirements of 46 CFR 10.205(i) or 10.209(c) for a license as Master of Steam or Motor Vessels of Not More Than 200 Gross Tons Near Coastal; 2) satisfy the written and practical examination requirements of 46 CFR 12.05-9 for any Able Seaman endorsement; 3) satisfy the examination requirements of 46 CFR 10.482(b) for an Assistance Towing endorsement; and 4) receive 64 days sea service credit towards any deck endorsement to a merchant mariner's document or licenses up to Master Not More Than 200 Gross Tons. This sea service credit may not be used to satisfy any recency requirements or requirements for service on specific routes or types of vessels. This program has not been evaluated to determine if it will satisfy any requirements of the Seafarers' Training, Certification and Watchkeeping (STCW) Code.

In addition, this course includes preparation and examination (\$105.00 Exam Fee) for the FCC Marine Radio Operator Certificate.

Master 100 Ton/OUPV. (Now offered as part of Marine License Preparation – Master Mate nine week course)

Students may enroll in the Marine License Preparation – Master Mate nine week course and test at the lower Master 100/OUPV level for credit listed below.

Any applicant successfully completing testing for Master Not More Than 100 Gross Tons and presenting the Certificate of Training at a Regional Exam Center within one year of the completion of training, will: 1) satisfy the examination requirements of 46 CFR 10.205(i) or 10.209(c) for a license as Master of Steam or Motor Vessels of Not More Than 100 Gross Tons Near Coastal; 2) satisfy the written and practical examination requirements of 46 CFR 12.05-9 for any Able Seaman endorsement; 3) satisfy the examination requirements of 46 CFR 10.482(b) for an Assistance Towing

endorsement; and 4) receive 62 days sea service credit towards any deck endorsement to a merchant mariner's document or licenses up to Master Not More Than 100 Gross Tons. This sea service credit may not be used to satisfy any recency requirements or requirements for service on specific routes or types of vessels.

Meteorology

U.S. Coast Guard Approved Class, one week

Any applicant who has successfully completed the 35 hour Meteorology (Operational Level) course will satisfy the Meteorology training requirements for certification as Officer in Charge of Navigational Watch on vessels of 500 or more gross tonnage (ITC). The practical assessments conducted in this course will be accepted as equivalent of OICNW-1-7A; OICNW-1-7B; and OICNW-1-7C from the National Assessment Guidelines for Table A-II/1 of the STCW Code. Applicants who have successfully completed this course need not present completed "control sheets" for these assessments in application for STCW certification.

Operator of Uninspected Passenger Vessels (OUPV)

U.S. Coast Guard Approved Class, three weeks/105 hours

Any applicant who has successfully completed the 3 week OUPV course and presented the Certificate of Training at a Regional Exam Center within one year of the completion of training will satisfy the requirements of 46 CFR 10.205(i) for original issuance, 46 CFR 10.209 (c) (iii) for renewal, and 46 CFR 10.209(f) for reissuance of a license as Operator of Uninspected Passenger Vessels (Near Coastal).

Proficiency in Survival Craft

U.S. Coast Guard Approved Class, five days

Designed for students involved with lifeboats and inflatable life rafts, this course prepares them to launch and operate survival craft found on a variety of large and small vessels. Lecture and hands on operations prepare students for meeting course competencies and a 70-question examination at the end of the week.

Note: It is recommended that students also complete the personal survival component of the Basic Safety Training course.

Students successfully completing this five day course will: 1) satisfy STCW regulation VI/1 (1) and Table A-VI/2-1 of the STCW Code; and 2) satisfy the training requirements of 46CFR 12:10-3(a)(6) and the examination requirements of 46CFR 12:10-5. Upon completion of the AB exam, these mariners can have their MMC endorsed as one of the grades of AB depending on their sea time.

MARITIME DEPARTMENT

Qualified Member of the Engine Department (QMED) Oiler

U.S. Coast Guard Approved Class, thirteen weeks/360 hrs

This course is designed for entry level engine room mariners.

Any applicant successfully completing the QMED Program, satisfies the examination requirements of 46 CFR 12.15-9 for an endorsement as Qualified Member of the Engine Department – Fireman, Oiler, Water-Tender (QMED-FOWT). In order to fulfill all of the QMED requirements, the applicant must also present documentation showing at least 180 days engine room sea time, and the training requirements of 46 CFR 12.15-3 (e) and Section A-111/4 and Table A-111/4 of the STCW Code. Candidates for this course must have a minimum of 10th grade reading and math level skills as verified by TABE tests administered before entry.

Rating Forming Part of a Navigational Watch

U.S. Coast Guard Approved Class, five days

Any applicant successfully completing the Rating Forming Part of a Navigational Watch Program, including all practical assessments will satisfy the service, training, and assessment requirements of 46 CFR 12.05-3(c) and Table A-II/4 of the STCW Code, Specification of Minimum Standard of Competence for Ratings Forming Part of a Navigational Watch (RFPNW).

Applicants for RFPNW STCW certification must provide evidence of either:

- a. Either six months of approved, seagoing service that includes training and experience associated with navigational watch keeping functions and involves duties carried out under the direct supervision of the master, officer in charge or a navigational watch (OICNW), or qualified ratings; or
- b. Satisfactory completion of AVTEC's RFPNW course plus a minimum of two months approved seagoing service (completed within 12 months of the class): performing bridge watch keeping duties under the supervision of the master or OICNW. NMC Policy letter 14-02 contains additional guidance on this topic. The AVTEC RFPNW course completion certificate will not be issued until satisfactory evidence of the approved seagoing service has been submitted to AVTEC. Students unable to meet the requirements of this subparagraph will be issued an RFPNW certificate restricted to "look-out only" duties and will have to comply with paragraph a above in order to get a Coast Guard RFPNW STCW endorsement.

Radar Observer (Unlimited), Original

U.S. Coast Guard Approved Class, 5 days

Designed for licensed deck officers requiring a Radar Observer endorsement, this course provides hands-on collision avoidance and radar navigation practice on radar simulators to meet requirements of: 46 CFR Section 10.480 and radar applicable portions of STCW Code. Students are encouraged to bring their plotting tools.

Radar Observer (Unlimited), Refresher

U.S. Coast Guard Approved Class, three days

Designed for licensed deck officers needing to renew their Radar Observer endorsement, this course provides review and radar simulator practice prior to theory examination and transfer plot practical. This three day course satisfies the requirements of 46 CFR 10.480 for renewal of an endorsement as Radar Observer Unlimited. Successful completion of AVTEC's ARPA course also meets this requirement.

Prerequisite: Radar Observer (Unlimited) Original

Radar Observer (Unlimited), Recertification

U.S. Coast Guard Approved Class, one day

An applicant completing this one day course satisfies the requirements of 46CFR 10.480 for renewal of an endorsement as Radar Observer Unlimited. Successful completion of AVTEC's ARPA course also meets this requirement. Provides only the Radar Observer theory examination and real time transfer plot practical. No review or practice time is available. Candidates for this course must be proficient in transfer plotting and have a good understanding of Radar theory as described in PUB 1310 Radar Navigation and Maneuvering Board Manual. Students are encouraged to bring their plotting tools.

Prerequisite: Radar Observer (Unlimited) Original

Tankship – Dangerous Liquids

U.S. Coast Guard Approved Class, five days

This course is designed to provide mariners with the knowledge, skills and practical abilities to safely conduct marine petroleum operations consistent with the Tankerman (PIC) Endorsement and will satisfy the training requirements of 46 CFR 13.209, 13.309k, 13.409 or 13.509 for a tankerman endorsement; AND the tanker familiarization, oil tanker training requirements of paragraphs 1-21 of Section A-V/1 of the STCW Code. This course also satisfies Requirements outlined in 46 CFR 13.121 and STCW Code Table A-V/1.

Before entering the course, trainees should have completed a USCG approved Basic Firefighting Course. (The USCG will require Basic Firefighting within five years of the

candidate's application for MMD endorsement.) Candidates must be capable of speaking and understanding, in English, all instructions needed to commence, conduct, and complete a transfer of cargo, and be capable of reading the English found in the Declaration of Inspection, vessel response plans, and Cargo Information Cards. Candidates must be at least 18 years old.

Visual Communications/Flashing Lights
U.S. Coast Guard Approved Class, one day

An applicant completing this one day course satisfies the practical signaling examination requirements of 46 (FLASHING LIGHT) CFR 10.401 (h) if presented within one year of completion of training; AND will be considered to have successfully demonstrated the equivalent of assessment OICNW-4-1A from the National Assessment Guidelines for Table A-II/1 of the STCW Code. Applicants who have successfully completed this course need not present a completed "Control Sheet" for this assessment in application for STCW certification.

Marine Safety Training

Basic Safety Training – STCW'95, five Days

This course combines all of the renewable components of the STCW'95 Code into one five day program. The course modules consist of Personal Survival, Basic Fire Fighting, Elementary First Aid, and Personal Safety & Social Responsibility. These components may be taken separately (Please contact AVTEC Admissions for costs of individual classes).

- **Basic First Aid (eight hours)** This course covers immediate care to be given in life threatening situations involving sudden illness or injury at sea, including techniques for adult CPR. This component fulfills USCG requirements for first aid training per 46 CFR 10.205(h)(1)(ii) and the requirements of STCW'95 Section A-VI, Table A-VI/1-3.
- **Personal Safety and Social Responsibilities (four hours)** This course is designed to familiarize mariners with requirements for emergency procedures, pollution prevention, safe work practices, effective communications, and interpersonal relationships. This component fulfills the requirements of STCW'95 Section A-VI/1, Tables A-VI/1-3, & 1-4.
- **Basic Fire Fighting (sixteen hours)** This course trains mariners in preventing, fighting and

extinguishing fires aboard vessels. This component fulfills the USCG requirements for Basic Fire Fighting endorsement of certain licenses and documents and the requirements of STCW'95 Section A-VI/1, Table A-VI/1-2.

- **Personal Survival Techniques (twelve hours)**
This course provides mariners with an overview of basic sea survival skills including the actual use of survival equipment in the water. This component fulfills the requirements of STCW'95 Section A-VI/1, Table A-VI/1-1.

Seafood Processor Orientation and Safety Course
Course Length – ten days

Students are given an overview of life and safe working practices aboard factory trawlers working in Alaska waters. Topics include chain of command, vessel lay-out, terminology, quality assurance, processing techniques and equipment, first aid and CPR, fire fighting, and the use of survival equipment. This course is a prerequisite for employment by certain seafood companies.

24 Hour Medical Care Provider
Course Length - three and a half days

Designed to train students to care for injuries and medical conditions encountered aboard ship. Students successfully completing this class will be able to direct the initial response and provide basic care required for an injured individual. They will be able to assist in the continuing treatment of the patient under the direction of medical advice. This will satisfy the Medical First Aid training requirement of Section A-VI/4 and Table A-VI/4-1 of the STCW Code and 46 CFR 12.13-1.

Shipboard Emergency Medicine
Course Length - two and a half days

Includes the immediate care to be given in life-threatening situations involving injury or sudden illnesses at sea. U.S. Coast Guard approved for license applicants. Exceeds requirements for STCW basic first aid. Often used to fill the first aid and CPR needs of various land based industries.

Miscellaneous AVTEC Maritime Courses

Contact the Admissions Office for training cost and dates for the Additional AVTEC Maritime courses listed below:

FCC Marine Radio Operators Permit Examination, one day,
Exam Fee \$105, By Appointment