

MAINE Maritime Academy



William F. Thompson School of

Marine Transportation

B.S. Degrees

Marine Transportation Operations
Small Vessel Operations

A.S. Degrees

Small Vessel Operations
Small Craft Design
Small Craft Systems

Program Overviews

Marine Transportation Operations *

This dynamic major leads to a federal license issued by the U.S. Coast Guard, allowing you the career option of sailing as a navigation officer on any size vessel on any ocean. You will learn vessel operations and navigation while tackling subjects such as:

- Meteorology
- Ship Handling
- Cargo Operations
- Ship's Medicine
- Celestial Navigation
- Ship Structure
- Navigation Rules
- Watchkeeping
- Electronic Navigation
- Marine Communications
- Casualty Analysis
- Ocean Science

** Requires participation in the Maine Maritime Academy Regiment of Midshipmen.*

Small Vessel Operations **

Careers aboard tugs and barges, ferries, passenger vessels, tall ships, and mega-yachts await students who complete this curriculum. Depending upon your degree option, this major leads to a 200- or 500-ton mate's license for coastal or ocean industries. You'll study topics such as:

- Marine Communications
- Navigation Rules
- Small Craft Technology
- Marine Systems
- Meteorology
- Seamanship
- Electronic Navigation
- Terrestrial Navigation
- Boatyard Operations
- Tug and Barge
- Auxiliary Sail Operations
- Work Boat Operations

*** Four-year (B.S.) or two-year (A.S.) degree options available.*

Small Craft Design

Small Craft Systems

In conjunction with The Landing School of Boatbuilding and Design, MMA offers two A.S. degree program: small craft design and small craft systems. Students study for one year each at MMA's Castine, Maine, campus and at The Landing School's Kennebunkport, Maine, facilities.

Those who graduate with a degree in small craft design will be qualified under current Maine law to design vessels not in excess of 200-tons or 200-feet in length overall. Those who graduate with a degree in small craft systems will be qualified to install, maintain, and repair contemporary marine systems, including electronics, plumbing, and propulsion.

For both programs, the second year includes an intense, 10-month curriculum at The Landing School of Boatbuilding and Design facilities. Small craft design focuses on boat design, computer aided design, and strength of materials. Small craft systems emphasizes marine systems and their installation.



At Sea Training

Marine Transportation Operations majors seeking a 3rd Mate license from the U.S. Coast Guard are required to complete 365 sea days. Sea time is accomplished through specialized laboratories, simulation, and three distinct training cruises.

Training Cruise: At the conclusion of the first and third years, students gain sea experience aboard the college's *T.S. State of Maine*. Scheduled during May and June for 60 days, training cruises typically include four domestic or foreign ports-of-call. Designed to develop the practical skills required of a licensed seafaring officer, the cruises will place you in watch standing and other roles involved in the direct operation and maintenance of the ship. The first cruise provides an overall orientation to both the deck and engineering aspects of a ship's operation. The second cruise, at the conclusion of the junior year, focuses on mate training, watchkeeping, and maintenance.

Cadet Shipping: At the conclusion of the sophomore year, you will be placed aboard a commercial merchant ship, such as a tanker, bulk carrier, or container ship. A vital element of your undergraduate education, this 90-day Cadet Shipping experience immerses you in this challenging industry, providing you with a chance to test your knowledge, learn from professionals in the industry, and see the world.

Small Vessel Operations majors seeking a 500-ton (or 200-ton) mates license are required to complete 240 (or 120) sea days on appropriate vessels. Sea time is acquired through specialized laboratories, simulation, and cooperative (co-op) work experience.

Small Vessel Operations Co-ops: Each summer, students work at least 60 days on a diversity of vessels including tugs, passenger vessels, tall ships, ferries, research vessels, and mega-yachts. These vessels operate from Maine to the Caribbean, California to Alaska, and throughout the inland rivers.

Setting MMA Apart

Compare Maine Maritime Academy to other maritime colleges and see what sets us apart from the rest.

- **Location directly on the ocean**
- **60 + vessels**
- **Ocean rated tug and barge, schooner, research vessel, navigational training vessel, sailing fleet**
- **SCUBA Certification**
- **Annual at-sea experience**
- **All full-time faculty USCG licensed**
- **Low student/faculty ratio of 15/1**
- **Small, safe campus setting**
- **Strong professional reputation**
- **Variety of cooperative education opportunities**
- **State-of-the-art shiphandling and navigation simulators**
- **Deck officer (mates) licenses**
- **Full-service boatyard with marine travel lift and boat shop**
- **Lifestyle options - regimented or independent**
- **Public college tuition**

90+%

PROFESSIONAL JOB PLACEMENT

Auxiliary Sail Concentration

Sailing school vessels (SSV), traditional sail vessels, and large sailing yachts all employ licensed mariners. Courses leading to an Auxiliary Sail endorsement, with qualifying sea time under sail and sail, include:

- Advanced Sail Vessel Handling
- Auxiliary Sail Vessel Operations
- Traditional Vessel Technology
- Marine Weather Routing
- Modern Vessel Technology
- Two-month Auxiliary Sail Training Cruise

Career Choices

Professional maritime careers encompass a wide variety of professions. Depending upon your major, you may find yourself employed as:

- **Merchant Marine Officer**
- **Tall Ship Officer**
- **Tug and Barge Operator**
- **Mega-yacht Officer**
- **Shipping Inspector**
- **Shore-based Manager**
- **Harbor Pilot**
- **Coast Guard or Navy Officer**

Our Watercraft

Maine Maritime Academy's waterfront overflows with boats, from research vessels to small power and sail boats. We're not shy about using them, getting you on board, and giving you the helm.

- **State of Maine, a 500' training ship**
- **Friendship, a 47' research vessel**
- **M.C. Hill, a 40' navigation lab**
- **Bowdoin, an 88' schooner**
- **Pentagoet, a 76' tugboat**
- **Clean Water 21, a 220' barge**
- **50 sailboats**
- **Fully equipped boat shop**
- **Marine travel lift**

Learn More

Visit www.mainemaritime.edu - our web site is filled with helpful information that may assist you as you consider attendance more seriously. Admissions counselors are always available to speak with you. Simply give us a call.

The Academy reserves the right to make changes in its rules, regulations, procedures, degree requirements, and fees. Our online catalog is regularly updated with contemporary information and should be referred to for complete programming facts. Please visit www.mainemaritime.edu

admissions@mma.edu

(800) 464-6565 (Maine)

(800) 227-8465 (Out of Maine)

Professional Credentials

Marine Transportation Operations and Small Vessel Operations majors lead to professional licensing opportunities.

Marine Transportation Operations (MTO)*

USCG 3rd Mate License,
Unlimited Tonnage, Any Ocean
USCG Able Seaman Unlimited

* Auxiliary Sail Endorsement available upon successful completion of additional requirements.

Small Vessel Operations (SVO) - B.S. Degree*

USCG 500-ton Mate, Near Coastal or Ocean, depending upon sea time
USCG Able Seaman Limited

Small Vessel Operations (SVO) - A.S. Degree*

USCG 200-ton Mate, Near Coastal (up to 200 miles)
USCG Able Seaman Limited