

WILLIAM F. THOMPSON SCHOOL OF

MARINE TRANSPORTATION

B.S. DEGREES

**Marine Transportation Operations
Vessel Operations and Technology**

A.S. DEGREES

**Small Vessel Operations
Small Craft Design
Small Craft Systems**

PROGRAMS OVERVIEW

Marine Transportation Operations (MTO)*

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 engaging in subjects such as:

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

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

Vessel Operations and Technology (VOT)

Small Vessel Operations (SVO)

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-, 500-, or 1,600-ton mate's license for coastal or ocean industries. You'll study topics such as:

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

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 Cruises: At the conclusion of the first and third years, students gain sea experience aboard the college's Training Ship *State of Maine*. Scheduled during May and June for at least 60 days, training cruises typically include four domestic or foreign ports of call.

Designed to develop 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 training cruise experience at the conclusion of the third year focuses on mate training, watchkeeping, and maintenance.

Cadet Shipping: The second cruise experience, completed at the conclusion of the second year, will place you aboard a commercial merchant ship, tanker, bulk carrier, container ship, or cruise liner. A vital element of your undergraduate education, this 90-day Cadet Shipping experience immerses you in this dynamic industry, giving you a chance to test your knowledge, learn from professional seafaring officers, and see the world.

Vessel Operations and Technology and Small Vessel Operations majors seeking a 200-, 500-, or 1,600-ton mates license are required to complete 240 (120 for the 200-ton candidates) sea days on appropriate vessels. Sea time is acquired through laboratories, simulation, cooperative work experiences and a 14-day training cruise aboard the schooner *Bowdoin*.

Vessel Operations and Technology and Small Vessel Operations Co-ops: Each summer students work at least 60 days on a variety of vessels including tugs, passenger vessels, tall ships, ferries, research vessels, and mega-yachts. These vessels operate anywhere in the world.

SETTING MMA APART

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

- 90+% Professional Job Placement
- 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) license
- Full-service boatyard with marine travel lift and boat shop
- Lifestyle options: regimented or independent
- Public college tuition



SAIL TRAINING CONCENTRATION

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

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

OUR WATERCRAFT

Maine Maritime Academy's waterfront is filled 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

Capt. Susan J. Clark, a 70' navigation lab

Bowdoin, an 88' schooner

Pentagoet, a 76' tugboat

Oyster Bay, a 230' barge

50 sailboats

Fully equipped boat shop

Marine travel lift

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

Vessel Operations and Technology (VOT) - B.S. Degree*

- USCG 500-ton or 1,600-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

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

LEARN MORE

Visit www.mainemaritime.edu for helpful information on all aspects of Maine Maritime Academy academics, student life and admissions. Admissions counselors are always available to speak with you — simply give us a call. Our online catalog is regularly updated and should be referred to for complete programming.

