

A.A.S. in Maritime Technology

DESCRIPTION OF THE MARITIME TECHNOLOGY PROGRAM

The Associate in Applied Science Degree (A.A.S.) in Maritime Technology is a 60-credit program that trains men and women for careers at sea and ashore. Training is 50% hands-on in labs and on boats and 50% classroom work. Technical training includes courses in oceanography, seamanship, navigation, marine electronics, ship handling, sailing, marina operations, vessel repair, fiber-glassing, welding, diesel and outboard engines, safety and survival, first aid, CPR, fire fighting, and STCW Certification.

Many graduates use 60 credits to satisfy requirements for entry into the New York City police and fire departments and work as NYC police and fire officers both on boats and on land. Most students complete maritime internships during the summer between their first and second year. This is a U.S. Coast Guard-approved program and graduates earn 225 days of sea-time applicable toward a captain's license or United States Merchant Marine Officers license.

SKILLS

Active Listening. Deckhands must be able to give their full attention to what others are saying, taking time to understand the points being made, asking questions as appropriate, and not interrupting at inappropriate times.

Critical Thinking. Deckhands must be able to use logic and reasoning to identify the strengths and weaknesses of alternative solutions, conclusions or approaches to problems.

Precision. Operators must be able to quickly and repeatedly adjust the controls of a machine or a vehicle to exact positions.

CAREER INFORMATION

Sailors, or deckhands, operate and maintain the vessel and deck equipment. They make up the deck crew and keep all parts of a ship, other than areas related to the engine and motor, in good working order. New deckhands are called ordinary seamen and do the least complicated tasks. Experienced deckhands are called able seamen and usually make up most of a crew. Some large ships have a boatswain, who is the chief of the deck crew.

Mates, or deck officers, direct the operation of a vessel while the captain is off duty. Large ships have three officers, called first, second, and third mates. The first mate has the highest authority and takes command of the ship if the captain is incapacitated. Usually, the first mate is in charge of the cargo and/or passengers, the second mate is in charge of navigation, and the third mate is in charge of safety. On smaller vessels, there may be only one mate who handles all of the responsibilities.

EMPLOYMENT OUTLOOK

Overall employment of water transportation workers is projected to show little or no change from 2021 to 2031. Despite limited employment growth, about 8,700 openings for water transportation workers are projected each year, on average, over the decade. Most of those openings are expected to result from the need to replace workers who transfer to different occupations or exit the labor force, such as to retire.

CAREER PATH

The median annual wage for water transportation workers was \$62,760 in May 2021.

CAREER COACH – SEARCH CAREER INFORMATION & CURRENT LOCAL WAGE DATA

<https://kingsborough.emsicc.com/programs/maritime-technology-aas/190619>

INFORMATION ON HOW TO APPLY: www.cuny.edu/apply or 718-368-4600

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