Maritime Technology, A.A.S.

HEGIS: 5403.00
PROGRAM CODE: 86081
PROGRAM DIRECTOR: Prof. John Nappo

DEPARTMENT: TOURISM AND HOSPITALITY

The Maritime Technology AAS degree aligns with the needs of employers in the maritime industry to prepare students for positions within the field. The curriculum provides students with hands-on experiences through labs and aboard boats as well as providing traditional classroom experiences. 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, firefighting, and STCW certification. As a U.S. Coast Guard approved program, graduates earn 225 days of sea-time applicable toward a Captains license or United States Merchant Marine Officers license.

The curriculum presented here applies to students who started the major in Fall 2025 or Spring 2026. If you enrolled as a matriculant prior to that, please see the *College Catalog* for the year you started the major as a matriculant for the curriculum requirements that apply to you.

Consultation with the Program Advisor is required.

Degree Maps:

Degree Map for Maritime Technology, A.A.S.

Your Degree Map contains the suggested term-by-term course sequence for your academic path towards graduation.

To ensure successful and timely completion of your degree, it is recommended that you meet with your academic advisor to discuss your unique map.

Please note some courses *may* only be offered once an academic year.

Program Learning Outcomes:

Upon successful completion of the Maritime Technology degree program requirements, graduates will:

1. understand traditional and modern seamanship skills as it relates to different propulsion systems

2. understand the topic of coastal piloting and navigation and the proper installation of electronic equipment
3. demonstrate safe operation and maintenance of vessels
4. demonstrate prevention and safety response in first aid, personal survival, social responsibility and fire prevention
5. understand operational theory of internal combustion engines and their use in power generation and propulsion systems
6. understand hydraulic systems and their application to vessel steering, winching equipment and vessel trim systems

College Requirements:

English and Math proficient as determined by the CUNY Proficiency Index, unless otherwise exempt, or successful completion of any required developmental course(s).

Civic Engagement Experiences:

One (1) Civic Engagement experience satisfied by Civic Engagement Certified or Civic Engagement Component course or approved outside activity.

Writing Intensive Requirement:

One (1) Writing Intensive Course in any discipline is required.

Required Core (4 Courses, 12 Credits):

When Required Core Courses are specified for a category, they are required for the major

- ENG 1200 - Composition I 3 Credit(s)
- ENG 2400 - Composition II 3 Credit(s)
- **Mathematical & Quantitative Reasoning Course***
- **Life & Physical Sciences Course 3 Credit(s)**
    - Select any Earth and Planetary Science (EPS) course that meets the Life and Physical Sciences requirement

Flexible Core (3 Courses, 9 Credits):

When Flexible Core courses are specified for a category, they are strongly suggested and/or required for the major

Select **one (1)** course from **three (3)** Groups A to E for a total of **nine (9)** credits. **Each Course Must be in a <u>Different</u> Discipline**

A. World Cultures and Global Issues Designated Course

B. U.S. Experience in its Diversity Designated Course

C. Creative Expression Designated Course

D. Individual and Society Designated Course

E. Scientific World Designated Course*

* Note: You may elect to take a math or science course that is 4 credits or more. TAP counts 3 credits towards the requirements and the 4th credit as an elective.

Major Requirements (15 Courses, 38 Credits):

- BA 6000 - Introduction to Computer Concepts 3 Credit(s)
- HE 3500 - First Aid and Personal Safety 2 Credit(s)
- MT 3300 - Vessel Technology I 3 Credit(s)
- MT 3400 - Vessel Technology II 3 Credit(s)
- MT 4300 - Marina Operations 3 Credit(s)
- MT 4600 - Coastal Piloting and Seamanship 4 Credit(s)
- MT 5000 - Introduction to Outboard Motors 2 Credit(s)
- MT 5100 - Introduction to Diesel Engines 2 Credit(s)
- MT 5200 - Welding 2 Credit(s)
- MT 5300 - Fiberglass, Refrigeration and Hydraulic Repairs 2 Credit(s)
- MT 5400 - Low Voltage Electrical Systems 2 Credit(s)
- MT 5500 - Marine Electronics 2 Credit(s)
- MT 5600 - Advanced Outboards 3 Credit(s)
- MT 5700 - Vessel Systems, Theory, Maintenance and Troubleshooting 3 Credit(s)
- MT 5800 - Advanced Welding 2 Credit(s)

Electives:

0 credits sufficient to meet required total of 60 credits

Notes:

*This program has a waiver to require particular courses in the Common Core, otherwise more than the minimum credits for the degree may be necessary.

Total Credits: 60