

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, fiberglassing, 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 2026 or Spring 2027. 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
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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
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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 Different 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)
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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

Degree InformationCatalog Year: **2026 - 2027**Plan: **Maritime Technology AAS**Sub Plan: **None**Required Credits: **60****General Requirements**Req GPA: **2.0**Req Residential Credits: **30**Req Pathways Credits: **22**Req Civic Engagement: **1**Req Writing Intensive: **1****1**

Session A

COURSE	CRS
ENG 1200	3
MT 4600 (req. 1st semester)	4
LIFE & PHYSICAL SCIENCES - EPS	4
Choose 1: Flexible Core - One course from Different Group & Different Discipline GROUP A - E	3

Session B

COURSE	CRS

2

Session A

COURSE	CRS
ENG 2400	3
MT 5500 (2 cr.) or MT 3300 (3 cr.)	2
MT 4300* (Spring Only)	3
MATH & QUANTITATIVE REASONING	3
BA 6000	3

Session B

COURSE	CRS

3

Session A

COURSE	CRS
MT 3400	3
MT 5000* (Fall Only)	2
MT 5200* (Fall Only)	2
MT 5300* (Fall Only)	2
MT 5400* (Fall Only)	2
MT 5500 (2 cr.) or MT 3300 (3 cr.)	3

Session B

COURSE	CRS
Choose 1: Flexible Core - One course from Different Group & Different Discipline GROUP A - E	3

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Session A

COURSE	CRS
HE 3500	2
MT 5100* (Spring Only)	2
MT 5600* (Spring Only)	3
MT 5700* (Spring Only)	3
MT 5800* (Spring Only)	2
Choose 1: Flexible Core - One course from Different Group & Different Discipline GROUP A - E	3

Session B

COURSE	CRS

NOTE: The term-by-term course sequence takes into account necessary Prerequisites, Corequisites, and Pre-/Co-requisites

NOTE: Select ONE (1) WRITING INTENSIVE course & ONE (1) CIVIC ENGAGEMENT course. Some courses meet BOTH requirements, see CUNYfirst to determine course status

SEMESTER CRS: 14

SEMESTER CRS: 14

SEMESTER CRS: 17

SEMESTER CRS: 15

CAREER AND TRANSFER MILESTONES**1**

CAREER & TRANSFER EXPLORATION ACTIVITIES	Done
<u>Claim your Handshake Account (Kingsborough)</u>	
<u>Join Student Club, Student Government Association (SGA) or groups relevant to career choice/pathway to build your network and skills.</u>	
<u>Research and explore desired career pathway via career coach. Including researching Baccalaureate Programs and Complete a Transfer Plan (if applicable).</u>	
<u>Draft a Basic Resume with assistance from the Career Center.</u>	

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CAREER & TRANSFER EXPLORATION ACTIVITIES	Done
<u>Draft a Basic Cover Letter with assistance from the Career Center.</u>	
<u>Attend a Professional/Networking Event Outside of KCC</u>	
<u>Create your LinkedIn profile</u>	
<u>Engage with Proactive Steps: Review credentials and Industry Employment in consultation with Maritime Tech Faculty.</u>	
<u>Attend Transfer Events (if applicable).</u>	

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CAREER & TRANSFER EXPLORATION ACTIVITIES	Done
<u>Career Planning - Research and Join Professional Organizations based on intended employment [Student Membership]</u>	
<u>Attend a Professional/Networking Event Outside of KCC</u>	
<u>Planning for References (Job & Transfer) - Secure Maritime Tech Faculty Mentor(s) who are aware of your interests, abilities, skills and work habits and obtain letters of recommendation.</u>	
<u>Find a Mentor to Check in with Periodically: Establish a relationship with someone who can provide guidance and advice related to your career goals.</u>	
<u>Start the transfer process to a Baccalaureate program (if applicable).</u>	
<u>Explore internship and/or Employment Opportunities in consultation with Maritime Tech Faculty.</u>	

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CAREER & TRANSFER EXPLORATION ACTIVITIES	Done
<u>Engage with Proactive Steps: Standards of Training, Watchkeeping Modules, and additional opportunities in consultation with Maritime Tech Faculty.</u>	
<u>Take advantage of events offered by campus Career and Professional Development offices to perfect your job search and sharpen your interview and employability skills. Update your LinkedIn profile and resume with new certifications, experiences, and skills.</u>	
<u>Secure Employment in consultation with Maritime Tech Faculty.</u>	
<u>Accept your offer to Enroll in a Baccalaureate program (if applicable).</u>	
<u>Complete CUNY Cap and Gown Survey</u>	

NOTE: Explore the highlighted Milestones by following the link to the Career-Infused Degree Map web page or relevant linked page