

A.A.S. MARITIME TECHNOLOGY

Department: Tourism and Hospitality

Total credits: 60

COLLEGE REQUIREMENTS**CREDITS**

Successful completion of CUNY Tests in Reading and Writing and the COMPASS Math Skills Test with passing examination scores or developmental courses may be required.

One (1) Writing Intensive course in any discipline from any category below is required. Participation in a Learning Community that includes ENG 1200 or 2400 also satisfies this requirement.

• Two (2) Civic Engagement experiences—satisfied by CE-Certified or CE-Component courses or approved outside activity. Refer to the *Degree Requirements* section of this catalog.

CUNY CORE

Approved Required and Flexible Core courses are listed in the General Education: CUNY Pathways section of this catalog. **When Required or Flexible Core courses are specified for a category, they are required for the major.**

REQUIRED CORE:

ENG 1200	3
ENG 2400	3
±Mathematical and Quantitative Reasoning	
For Marine Technician Option: MAT 2000√	3
Life and Physical Sciences: EPS 3200	4

FLEXIBLE CORE:

Nine (9) credits with one (1) course from three (3) groups A-E. **Each course from a different discipline.** 9

A. World Cultures & Global Issues

B. U.S. Experience In Its Diversity

C. Creative Expression

D. Individual & Society

E. Scientific World: EPS 3200 (if not taken for Required Core) **OR****for Marine Technician Option: MAT 900√****DEGREE REQUIREMENTS §**

If not taken for the CUNY Required Core or Flexible Core, the following are required:

First Aid and Personal Safety (HE 3500)	2
Vessel Technology I and II (MT 3300 and MT 3400)	6
Marina Operations (MT 4300)	3
Coastal Piloting and Seamanship (MT 4600)	4
Outboard Motors (MT 5000)	2
Introduction to Diesel Engines (MT 5100)	2
Welding (MT 5200)	2
Fiberglass and Hydraulic Repairs (MT 5300)	2
Low Voltage Electrical Systems (MT 5400)	2
Marine Electronics (MT 5500)	2

Oceanography (EPS 3200)	4
Introduction to Computer Concepts (BA 6000) OR For Marine Technician Option: <i>Spreadsheet Applications in Business (BA 6100)</i>	3

Plus, for Marine Technician Option:

Introduction to Computer Programming (CP 500)	4
College Algebra (MAT 900)√	3
Elements of Statistics (MAT 2000) √	3

ELECTIVES: 4 -8 credits sufficient to meet required total of 60 credits.

§ Consultation with a Maritime Technology Program Advisor is required.

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

√ Refer to course descriptions for pre-requisites, co-requisites and/or pre/co-requisites

STUDENT LEARNING OUTCOMES

Understand traditional and modern seamanship skills as it relates to different propulsion systems

Understand the topic of coastal piloting and navigation and the proper installation of electronic equipment

Demonstrate safe operation and maintenance of vessels

Demonstrate prevention and safety response in First Aid, personal survival, social responsibility and fire prevention

Understand operational theory of internal combustion engines and their use in power generation and propulsion systems

Understand hydraulic systems and their application to vessel steering, winching equipment and vessel trim systems