

MARINE TRANSPORTATION, A.A.S

The Associate of Applied Science in Marine Transportation degree is a two-year academic program designed to provide students with a broad educational and practical foundation concerning the maritime industry.

Deck Emphasis

Students will be prepared for employment in many sectors of the maritime industry including but not limited to; tourism, workboats, RO-RO ferries and deep sea shipping. Students who meet sea time and academic requirements will receive United States Coast Guard (USCG) and Standards of Certification and Watch Keeping (STCW) credentials. Graduates of the program who have completed appropriate sea time and course work will be qualified to serve as officers on vessels of not more than 200 Gross Registered Tons upon Near Coastal, or Inland Waters. The goal of the Marine Transportation program is to provide graduates with the credentials and general education required to excel in Alaskan waters and beyond.

Engine Room Emphasis

Engine Room Emphasis coursework provides the training and credentials necessary to begin a career in the engine room side of the marine transportation industry. Successful graduates will have met the academic and practical examination requirement for certification as a Qualified Member of the Engine Department (QMED) with an Oiler endorsement.

The Engine Room Emphasis incorporates a four-month (120-day) internship at sea. The internship with the 60 days of sea time granted for successful completion of the UAS/Oiler program provides the sea-time necessary for the USCG endorsement.

Marine Transportation A.A.S.

Associate of Applied Science

Ketchikan

This degree provides a strong foundation to a variety of maritime careers. Successful completion of the USCG approved courses included in the program eliminates the need for testing with the U.S. Coast Guard. Graduates who meet sea time, physical agility and other U.S. Coast Guard requirements will be qualified for certification or licensing in the degree emphasis chosen.

Students must consult with a Marine Transportation program advisor before registering for courses. Meeting with an advisor will help students develop a plan of study for specific career goals.

Code	Title	Credits
Minimum Credit Hours		60-61
General Education Requirements		16
Major Requirements		44-45

Code	Title	Credits
General Education Requirements		
Written Communication Skills		6
WRTG S111 or BA S163	*Writing Across Contexts Business English	
WRTG S212 or BA S263	*Writing and the Professions Business Communications	
Oral Communications Skills		3
COMM S111	*Fundamentals of Oral Communication	
COMM S235	*Small Group Communication and Team Building	
COMM S237	*Interpersonal Communication	
COMM S241	*Public Speaking	
Mathematics Skills		4
MATH S105	Intermediate Algebra	
<i>Other Skills</i>		3
Advisor-approved GER		
Total Credits		16

Deck Emphasis

This course of study is for individuals who desire to pursue an "above deck" career emphasizing vessel handling, navigation and watch standing duties. See the catalog program description for further information.

Code	Title	Credits
Major Requirements		
MTR S120	Outboard Motor Maintenance	1
MTR S122	Diesel Engine Maintenance	1
MTR S129	Basic Training	2
MTR S226	Ratings Forming Part of a Navigation Watch (RFPNW)	1
MTR S228	Fast Rescue Boat (FRB)	2
MTR S239	Master 100 Ton and Operator of Uninspected Passenger Vessel	5
MTR S242	Advanced Fire Fighting	2
MTR S244	Crisis Management and Human Behavior	1
MTR S250	Radar Observer	2
MTR S294	Marine Transportation Practicum	6
MTR Advisor Approved Course(s)		3
Advisor approved electives		18
Total Credits		44

Engine Room Emphasis

This course of study is for individuals who desire to pursue a "below deck" career emphasizing vessel and machinery operating systems, vessel maintenance and machinery repair. See the catalog program description for further information.

Code	Title	Credits
CIS S105	Computer Literacy	3
DESL S110	Diesel Engines	6
DESL S125	Basic Hydraulics	3
DESL S130	Refrigeration and Air Conditioning	2
MTR S129	Basic Training	2
MTR S181	Marine Electrical Systems	3
MTR S182	Naval Architecture and Engineering Systems	1
MTR S220	Proficiency in Survival Craft	2
MTR S228	Fast Rescue Boat (FRB)	2
MTR S242	Advanced Fire Fighting	2
MTR S244	Crisis Management and Human Behavior	1
MTR S291	Internship	9
MTR S294	Marine Transportation Practicum	6
WELD S120	Basic Welding	3
Total Credits		45

Upon completion, students will be able to:

1. Students who successfully complete this program will receive a USCG Merchant Mariner Credential with a QMED/Oiler endorsement.
2. Successful completion of UAS/AMHS vessel intership and sea course.
3. Reduce the number of sea days required to obtain an USCG QMED/Oiler credential by completing the USCG approved classes.
4. Students completing the program will have the knowledge and practical experience to safely and routinely check machinery and equipment as well as perform the other duties of a QMED during a vessel engine watch.
5. Assist licensed engineers in performing their duties such as taking on fuel and water and operating shipboard equipment.
6. Placement of students who complete this program in jobs or further education.