



Level 1

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| | Maritime Science I Introduction to Shipboard Engineering Occupational Safety and Environmental Technology I |
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Level 2

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| | Maritime Science II Advanced Shipboard Engineering |
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Level 3

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| | Practicum in Distribution and Logistics Practicum in Transportation Systems |
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Level 4

| HIGH SCHOOL/INDUSTRY CERTIFICATION | CERTIFICATE/LICENSE* | ASSOCIATE'S DEGREE | BACHELOR'S DEGREE | MASTER'S/DOCTORAL PROFESSIONAL DEGREE |
|------------------------------------|---------------------------|-----------------------------|---|---------------------------------------|
| | Motorboat Operators | Captains, Mates, and Pilots | Marine Transportation | Maritime Resources Management |
| | Sailors and Marine Oilers | | Marine Transportation | Maritime Administration and Logistics |
| | | | Transportation, Storage, and Distribution Mangers | |

| Occupations | Median Wage | Annual Openings | % Growth |
|--|-------------|-----------------|----------|
| Sailors and Marine Oilers | \$41,018 | 387 | 9% |
| Captains, Mates, and Pilots of Water Vessels | \$117,686 | 413 | 16% |
| Motorboat Operators | \$44,970 | 22 | 16% |
| Ship Engineers | \$76,752 | 87 | 15% |

Additional industry-based certification information is available on the TEA CTE website. For more information on postsecondary options for this program of study, visit TXCTE.org.

| WORK BASED LEARNING AND EXPANDED LEARNING OPPORTUNITIES | |
|---|--|
| Exploration Activities: | Work Based Learning Activities: |
| Participate in SkillsUSA | Apprenticeships Internships Part-time or summer employment |

The Maritime regional program of study introduces CTE learners to the occupations and education opportunities related to operating water vessels, maintenance procedures, maritime navigational aids, maritime traffic controls, and communications equipment to ensure conformance with federal safety regulations.



The Transportation, Distribution, and Logistics Career Cluster focuses on careers in planning, management, and movement of people, materials, and goods by road, pipeline, air, rail, and water. It also includes related professional support services such as transportation infrastructure planning and management, logistics services, mobile equipment and facility maintenance.

Successful completion of the Maritime regional program of study will fulfill requirements of the Business and Industry Endorsement. See the regions approved to offer this program of study at <https://tea.texas.gov/academics/college-career-and-military-prep/career-and-technical-education/regional-programs-of-study>. Revised - July 2020.



COURSE INFORMATION

| COURSE NAME | SERVICE ID | PREREQUISITS (PREQ) COREQUISITES (CREQ) | Grade |
|--|--|--|-------|
| Principles of Maritime Science | N1304661 (1 credit) | None | 9-12 |
| Maritime Science I | N1304662 (1 credit) | None | 9-12 |
| Introduction to Shipboard Engineering | N1304666 (1 credit) | None | 10-12 |
| Occupational Safety and Environmental Technology I | N1303680 (1 credit) | None | 9-12 |
| Maritime Science II | N1304663 (1 credit) | PREQ: Maritime Science I | 9-12 |
| Advanced Shipboard Engineering | N1304667 (1 credit) | None | 11-12 |
| Practicum in Distribution and Logistics | 13040470 (2 credits) 13040475 (3 credits) 13040480 (2 credits) 13040485 (3 credits) | None | 11-12 |
| Practicum in Transportation Systems | 13040450 (2 credits) 13040455 (3 credits) 13040460 (2 credits) 13040465 (3 credits) | None | 11-12 |
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FOR ADDITIONAL INFORMATION ON THE TRANSPORTATION, DISTRIBUTION, AND LOGISTICS CAREER CLUSTER, PLEASE CONTACT:

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<https://tea.texas.gov/cte>