MARINE TRANSPORTATION - BS

This program combines studies in the humanities and sciences with instruction and training in maritime disciplines to provide the U.S. Maritime Service Cadet with a broad-based education. The student who successfully completes the license program will be qualified to sit for the U.S. Coast Guard license examination as a Third Mate of any gross tonnage upon oceans, steam, or motor vessels and issuance of Standards of Training, Certification and Watchkeeping (STCW) credentials. Cadets are also provided with solid fundamentals in business topics related to the maritime industry, ashore and afloat. Cadets who enroll in and apply to graduate in Marine Transportation must successfully complete the license examination for Third Mate in order to graduate from Texas A&M University.

Courses earning USCG or STCW qualifications, sea-time remission or STCW competency certification require a minimum grade of C (70%). In addition, all STCW proficiencies must be satisfactorily completed with a grade of 70% or better (See applicable course outlines available through the department).

Program Requirements

First Year

<table>
<thead>
<tr>
<th>Semester</th>
<th>Course Code</th>
<th>Course Name</th>
<th>Credit Hours</th>
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<tbody>
<tr>
<td>Fall</td>
<td>MART 103</td>
<td>Basic Safety and Lifeboatman Training</td>
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<tr>
<td></td>
<td>MART 115</td>
<td>Seamanship I</td>
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<tr>
<td></td>
<td>American History</td>
<td>3</td>
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<tr>
<td></td>
<td>Communication</td>
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<td>MART 200</td>
<td>Deck Sea Training: Basic Communications, Navigation and Seamanship</td>
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<td></td>
<td>MART 115</td>
<td>Seamanship II</td>
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<td>American History</td>
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Second Year

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<tr>
<td>Fall</td>
<td>ECON 203</td>
<td>Principles of Economics</td>
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<td>MART 212</td>
<td>Marine Dry Cargo Operations</td>
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<td>MART 215</td>
<td>Seamanship III</td>
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<td>MART 303</td>
<td>Celestial Navigation</td>
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<tr>
<td></td>
<td>PHYS 201</td>
<td>College Physics</td>
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<th>Semester</th>
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<tr>
<td>Fall</td>
<td>MART 202</td>
<td>Ship Stability and Trim</td>
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<td>MART 210</td>
<td>Integrated Navigation I: RADAR/ARPA/ECDS</td>
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<td>MART 321</td>
<td>Navigation Rules, International and Inland</td>
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<td>PHYS 202</td>
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Third Year

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<tr>
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<td>MART 208</td>
<td>Maritime Meteorology</td>
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<td>MART 307</td>
<td>Global Maritime Distress Safety System</td>
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<td>MART 310</td>
<td>Integrated Navigation II: Electronic Navigation</td>
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<td>MART 315</td>
<td>Seamanship III</td>
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<td>POLS 206</td>
<td>American National Government</td>
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<td>Creative arts</td>
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<tr>
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<td>MART 201</td>
<td>Vessel Structure and Ship Knowledge</td>
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<td>MART 204</td>
<td>Terrestrial Navigation</td>
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<td>NVSC 200</td>
<td>Naval Science for the Merchant Marine Officer</td>
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<td>American History</td>
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<tr>
<td>Spring</td>
<td>MARA 301</td>
<td>Ocean Transportation I</td>
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<td>MART 313</td>
<td>Marine Liquid Cargo Operations</td>
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<td>MART 410</td>
<td>Integrated Navigation III: Bridge Watchstanding</td>
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<td>POLS 207</td>
<td>State and Local Government</td>
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<td>Language, philosophy and culture</td>
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</table>
This degree requires full participation in the Texas A&M University Maritime Academy Corps of Cadets as a qualified License Option cadet. Refer to the University catalog section for the Texas A&M Maritime Academy for additional information. In addition to the academic requirements outlined here, the cadet must also complete the following requirements to receive the degree:

- Successfully complete required sea service and minimum training cruise requirements.
- Pass a comprehensive professional examination (either the Third Mate Unlimited - Oceans or Third Assistant Engineering Unlimited) administered by the U.S. Coast Guard (USCG).
- Successfully complete all competencies required by the International Convention on Standards for Training, Certification and Watchkeeping (STCW).

Note: STCW competency certifications expire 5 years after completion. If the cadet does not complete the degree within that time period, the cadet will be required to revalidate the expired competency prior to graduation.

<table>
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<tr>
<th>Summer</th>
<th>MART 400</th>
<th>Deck Sea Training III: Advanced Communications, Navigation and Seamanship</th>
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<tr>
<th>Fourth Year</th>
<th>MART 403</th>
<th>Advanced Topics in Shipboard Operations</th>
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<tr>
<td></td>
<td>MART 404</td>
<td>The Navigator</td>
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<td></td>
<td>MART 498</td>
<td>Maritime Medical Care</td>
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<th>MARA 416</th>
<th>Port Operations, Administration and Economics</th>
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<td>MART 403</td>
<td>Advanced Topics in Shipboard Operations</td>
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<tr>
<td></td>
<td>MART 404</td>
<td>The Navigator</td>
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<td>MART 498</td>
<td>Maritime Medical Care</td>
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<tr>
<th>Spring</th>
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<th>Admiralty Law</th>
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| Total Semester Credit Hours | 132 |