

# Maritime Training Option

## Associate in Applied Science in Technical Studies

### Program Description:

The Maritime Training in Technical Studies program provides training to career-oriented individuals interested in obtaining an Associate in Applied Science Degree in inland marine related subjects. Individuals typically start out as deckhands and can progress to positions of greater responsibility based upon experience and meeting US Coast Guard regulated licensing requirements. Deckhands are responsible for rigging barges, maintaining barges once underway, and performing routine maintenance on towboats and barges.

### Career Outlook:

The job outlook is expected to remain competitive for jobs in water transportation occupations. Increased river traffic (expected to grow 1.1% per year along the Ohio River through the year 2060) plus an aging workforce will provide opportunities for employment to both entry-level and tenured workers.

### Salary Forecast:

The following annual pay and benefits information was provided by the inland marine industry:

Master	\$90,000
Pilot	\$70,000
Mate	\$36,000
Engineer	\$45,000
Tankerman	\$41,000
Deckhand	\$25,000

Salaries may vary depending on location, experience, and amount of education. Workers can also expect to receive varying amounts of production and safety bonuses and cost-share medical benefits. The annual pay and benefits vary by company. Please note that inland marine workers typically work only 8 months out of the year.

### Program Admission Requirements:

The maritime worker is responsible for movement of huge amounts of cargo, as well as passengers, within the nation. The barge and towing industry provides:

- Extended time-off to its workers. When working, they are usually on duty for 6-hour periods, 24 hours a day for up to 21 days. After each completed work schedule on board a towboat, workers have several days off at a stretch totaling as much as 8 months of time off annually.
- The flexibility to live where they want. Towboat crews often live several hundred miles from the waterways where they work. This flexibility means workers can live near their family and friends, and still be able to meet the boat when it is time to head back to work.
- The opportunity for a stable, well-paid career with unlimited potential to move up to positions of greater responsibility in a dynamic industry and drug-free environment.

Maritime workers operate and maintain tugboats, dredges, excursion vessels and various waterborne craft on the Great Lakes, rivers and canals, and other waterways in harbors. After 18 months of actual deckhand experience, individuals can attend U.S. Coast Guard-approved license training that leads to a license as a Master of Towing Vessels.

**Major Code - CT20 • Concentration Code - CT22**

<p><b>COMPONENT I - General Education<sup>2</sup></b></p> <p>ENL 111 Written Communication<sup>3</sup> ..... 3          COM 112 Oral Communication<sup>3</sup> ..... 3          IT 101 Fundamentals of Computers (EDGE) ..... 3          MAT 150 Applied Professional Mathematics ..... 3          SCI 101 Unified Principles of Biology<sup>4</sup> ..... 3          SS Social Science<sup>5</sup> ..... 3          General Education Elective<sup>6</sup> ..... 3</p> <p><b>TOTAL CREDITS.....21</b></p>	<p><b>COMPONENT III - Technical/Occupational Speciality</b></p> <p>Choose 15 hours from following:</p> <p>ENL 115 Written Communication II<sup>8</sup> ..... 3          HMN 235 Leadership Development Studies<sup>8</sup> ..... 3          ELT 110 Basic Electronics ..... 3          ISM 133 Principles of Supervision &amp; Management ..... 3          MG 101 Introduction to Business (EDGE) ..... 3          MG 202 Business Organization &amp; Management<sup>9</sup> ..... 3          MT 205 Precision Measurement ..... 3</p> <p><b>TOTAL CREDITS..... 15</b></p>
<p><b>COMPONENT II - TECHNICAL CORE</b></p> <p>EC 102 Basic Economics ..... 3          EME 105 First on Scene ..... 3          MT 105 Industrial Safety ..... 2          Deckhand Training<sup>1</sup> ..... 3          Fire School Training<sup>7</sup> ..... 1</p> <p><b>TOTAL CREDITS..... 12</b></p>	<p><b>COMPONENT IV - ON-THE-JOB TRAINING IN OCCUPATION<sup>10</sup></b></p> <p>Maximum of 1,920 contact hours of on-the-job training can be earned for the Technical Studies Degree. Documentation of the total number of contact hours experienced on the job by the student may be placed on the college record. This credit will be recorded immediately prior to awarding the degree.</p> <p><b>TOTAL CREDITS..... 12</b></p>
<p><b>HOURS REQUIRED FOR GRADUATION: 60</b></p>	

**Employment Opportunities:**

- Deckhand
- Tankerman
- Engineer
- Mate
- Pilot
- Master

**Earn a Degree Graduate Early (EDGE):**

This program provides students the opportunity to receive credit for their high school EDGE courses.

**Contact Information:**

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1. Must have certificate of completion of Deckhand Class or present a letter from employer confirming six (6) months employment as a deckhand.  
 2. Students must complete a minimum of 3 credit hours with Mountwest Community & Technical College to establish academic residency.  
 3. Fulfills MOUNTWEST General Education and State Communication Skills requirements for Technical Studies Degree.  
 4. SCI 101 is currently available only as an Internet course. For information, contact advisor.  
 5. Select from EC 102, SS 201, SS 210, or SS 215.  
 6. Student may use a social science/humanities course to fulfill this requirement.  
 7. Must provide a certificate of completion of MOUNTWEST Fire School Training or provide proof of equivalency.  
 8. ENL 115 and HMN 235 have a prerequisite of ENL 111 or COM 111.  
 9. MG 202 has a prerequisite of MG 101.  
 10. A letter must be received from employer to verify employment and completed contact hours.