# WATERCRAFT COOLING AND BILGE SYSTEMS

## Course Syllabus

<table>
<thead>
<tr>
<th>Course Number:</th>
<th>MOTO-1892</th>
<th><strong>OHLAP Credit:</strong></th>
<th>No</th>
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<tbody>
<tr>
<td><strong>OCAS Code:</strong></td>
<td>None</td>
<td><strong>Course Length:</strong></td>
<td>60 Hours</td>
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<tr>
<td><strong>Career Cluster:</strong></td>
<td>Transportation, Distribution, and Logistics</td>
<td><strong>Career Pathway:</strong></td>
<td>Facility and Mobile Equipment Maintenance</td>
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<td><strong>Career Major(s):</strong></td>
<td>Motorcycle and Watercraft Technician</td>
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### Pre-requisite(s):

Students will learn fundamental watercraft cooling and bilge system operation, inspection and diagnostic procedures. The importance of vehicle safety and the enhancement watercraft driveline longevity will be stressed throughout the course. This will include the analysis of flow diagrams, cooling and bilge system flushing procedures, breather system service, hose inspection and filter service.

### Textbooks:


### Course Objectives:

**A. Perform Repairs on Cooling and Bilge Systems on Watercraft**

1. Discuss the purpose of the cooling and bilge systems on modern watercraft.
2. Identify procedures used to inspect and make adjustments to the cooling and bilge system.
3. Diagnose and repair cooling and bilge systems of modern watercraft.

### Teaching Methods:

The class will primarily be taught by the lecture and demonstration method and supported by various media materials to address various learning styles. There will be question and answer sessions over material covered in lecture and media presentations. Supervised lab time is provided for students to complete required projects.

### Grading Procedures:

1. Students are graded on theory and shop practice and performance.
2. Each course must be passed with seventy (70%) percent or better.
3. Grading scale: A=90-100%, B=80-89%, C=70-79%, D=60-69%, F=50-59%.

### Description of Classroom, Laboratories, and Equipment:

Tulsa Technology Center campuses are owned and operated by Tulsa Technology Center School District No. 18. All programs provide students the opportunity to work with professionally certified instructors in modern, well-equipped facilities.
Available Certifications/College Credit

The student may be eligible to take state, national or industry exam after completion of the program. College credit may be issued from Oklahoma State University-Okmulgee, Rogers State University or Tulsa Community College. See program counselor for additional information.

College Credit Eligibility:

The student must maintain a grade point average of 2.0 or better.