Motorcycle Technician AS Major - Active

Department: Automotive, Motorcycle, Construction & Building Maintenance

Approval: September 2012

This Motorcycle Technician Associate in Science Degree prepares students to enter the motorcycle maintenance field with all the necessary skills to perform entry-level work as well as to have a thorough understanding of theory so they will be qualified to participate in advanced training at the dealer or manufacturer. Degree holders are expected to be first in line for jobs as service managers and manufacturer’s representatives.

Associate in Science Degree. The AS Degree may be obtained by completion of the required program plus general education requirements and sufficient electives to meet a 60 unit total.

Learning Outcomes
Upon completion of this program, students will be able to:

- Describe the history, culture, and esthetics of the motorcycle, including social, political, and economic issues.
- Examine laboratory systems, hand and shop and measuring tools and their usage, and fire and safety procedures including the interpretation of service and repair data.
- Perform basic tune-up and service operations and interpret maintenance schedules.
- Evaluate, service, and troubleshoot cooling, lubrication, and fuel systems.
- Diagnose and repair problems with wheels, axles, frames, suspensions, ignition and electrical systems, engine problems, including disassembly and reassembly strategies.
- Execute customization skills incorporating metal fabrication and or custom painting.
- Practice safe shop and personal safety procedures.

Assuming students start this AS with transfer-level math and English eligibility, the minimum time for completion is 4 semesters. Completion time will vary based on student preparation and number of units completed per semester.

Courses Required for the Major in Motorcycle Technician AS

<table>
<thead>
<tr>
<th>Course</th>
<th>Units</th>
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<tbody>
<tr>
<td><strong>Required courses:</strong></td>
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<tr>
<td>MOTO 90 - Introduction to Motorcycle Technology</td>
<td>4.00</td>
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<tr>
<td>MOTO 91 - Motorcycle General Service</td>
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<tr>
<td>MOTO 92 - Tune-up, Electrical and Performance</td>
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<td>MOTO 93 - Engine &amp; Power Train Repair</td>
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<tr>
<td>MOTO 63 - Auto-Moto Custom Painting</td>
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*MOTO 90 is a prerequisite for all the other Moto courses.

Total: 20.00

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