

**Eastern WV Community & Technical College  
Master Course Record**

<b>Course Prefix and Number: ATT 103</b>
<b>Course Title: Engine Repair</b>
<b>Recommended Transcript Title: Engine Repair</b>
<b>Date Approved/Revised: 11/14/08; 11/18/13; 09/21/15</b>
<b>Credit Hours: 4</b> <b>Contact hours per week (Based on 15 week term):</b> <b>Lecture: 3</b> <b>Lab: 3</b>
<b>Prerequisite:</b> <b>Corequisite:</b> <b>Pre/Corequisite:</b>
<b>Grading Mode: Letter grade</b>
<b>Catalog Description: This course introduces students to basic engine concepts, skills, technology and service of the automobile. Students will be introduced to general diagnosis and repair of engines, cylinder heads and valve trains, and cooling and lubrication systems.</b>
<b>Course Outcomes:</b> <b>Students will learn:</b> <ul style="list-style-type: none"> <li>• <b>How to perform basic engine maintenance</b></li> <li>• <b>How to work safely while removing an engine</b></li> <li>• <b>What work orders systems are used in the industry and how to utilize electronic maintenance management systems</b></li> <li>• <b>Where to locate vehicle numbers and what they indicate</b></li> <li>• <b>How to evaluate engine noises and excessive wear on engine parts</b></li> <li>• <b>How to disassemble and analyze internal parts for wear</b></li> <li>• <b>How to evaluate all engine systems for troubles and determine corrective actions</b></li> </ul>
<b>Implementation Cycle: Fall</b>
<b>Role in College Curriculum: (Check all that apply)</b> <input type="checkbox"/> <b>General Education Core (Specify category)</b> <input checked="" type="checkbox"/> <b>Technical Core: Automotive Technology</b> <input type="checkbox"/> <b>Restricted Elective (Specify category)</b> <input type="checkbox"/> <b>General Elective</b> <input type="checkbox"/> <b>Workforce Education</b> <input type="checkbox"/> <b>Other (Please specify)</b>
<b>Course Fee: Yes</b>
<b>Instructor's Qualifications: BS Automotive Technology or related discipline and/or expertise and experience in the field.</b>
<b>Expanded Course Description:</b> <b>Students learn how to perform general engine diagnosis, engine removal and reinstallation, cylinder head and valve train diagnosis and repair including gasket replacement, valve springs, stems, seals, lifters, pushrods, rocker arms, pivots,</b>

Course Number &amp; Title: ATT 103-Engine Repair

Date Prepared: 11/11/08; 11/18/13; 03/16/15; 06/10/15

Submitted to LOT: 11/14/08; 11/18/13

Date Course Approved by LOT: 11/14/08; 11/18/13; 04/20/15; 09/21/15

**shafts, engine block diagnosis and repair, and cooling system diagnosis and repair including radiators and water pumps.**

Prepared by:

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Doug Swick, Faculty

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03/16/15: 06/10/15

Approved Per LOT Minutes

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Dean, Academic and Student Services

\_\_\_\_\_  
Date

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