

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

<b>Course Prefix and Number: ATT 124</b>
<b>Course Title: Automotive Electricity/Electronics I</b>
<b>Recommended Transcript Title: Automotive Electricity/Electronics I</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 the fundamentals and technology necessary for diagnosis and repair of automotive electrical and electronic systems. The course includes reading and understanding wiring diagrams, electrical symbols, and functions of electrical and electronic systems.</b>
<b>Course Outcomes:</b> <b>Students will learn:</b> <ul style="list-style-type: none"> <li>• How to work on automotive electronics safely</li> <li>• How to work with work order systems and proper completion of work orders</li> <li>• Proper research of engine manuals and diagrams</li> <li>• How to diagnose electrical problems in automotive systems</li> <li>• Proper removal and reinstallation of inspected, repaired or new components</li> <li>• Proper use of code scanners and other electrical meters in measuring circuits</li> <li>• How to troubleshoot vehicle electrical problems utilizing all available information and critical thinking</li> </ul>
<b>Implementation Cycle: Spring</b>
<b>Role in College Curriculum: (Check all that apply)</b> <input type="checkbox"/> General Education Core (Specify category) <input checked="" type="checkbox"/> <b>Technical Core: Automotive Technology</b> <input type="checkbox"/> Restricted Elective (Specify category) <input type="checkbox"/> General Elective <input type="checkbox"/> Workforce Education <input type="checkbox"/> Other (Please specify)
<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>This course introduces students to the fundamentals and technology necessary for diagnosis and repair of automotive electrical and electronic systems. The course includes reading and understanding wiring diagrams, electrical symbols, and functions of electrical and electronic systems.</b>

Course Number &amp; Title: ATT 124-Automotive Electricity/Electronics I

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

Prepared by:

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Doug Swick

03/16/15: 06/10/15

Approved Per LOT Minutes:

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Dean, Academic and Student Services

Date