

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

Course Prefix and Number: ATT 205
Course Title: Automotive Electricity/Electronics II
Recommended Transcript Title: Automotive Electricity/Electronics II
Date Approved/Revised: 2/16/09; 11/18/13; 09/21/15
Credit Hours: 4 Contact hours per week (Based on 15 week term): Lecture: 3 Lab: 3
Prerequisite: ATT 124 or consent of instructor. Corequisite: Pre/Corequisite:
Grading Mode: Letter grade
Catalog Description: This course enhances the student's knowledge of the fundamentals and technology necessary for diagnosis and repair of automotive electrical and electronic systems. Course includes diagnosis and repair of electronically controlled operations including anti-theft systems, supplemental restraints, body modules, and keyless entry. Students learn about module communications via CAN and BUS. Course introduces student to hybrid and alternative fuel technology.
Course Outcomes: Students will learn; <ul style="list-style-type: none"> • How to work safely on electronic systems, for personal protection • To protect electronic systems from damage while working on vehicles • How to complete electronic work orders • To research vehicle identification numbers and locate proper manuals and diagrams • How to use various electronic meters and code readers to assist in electrical system analysis • To inspect and test all components of electrical systems • How to remove and inspect components of electrical systems • To remove and reinstall all components associated with electrical systems
Implementation Cycle: Fall
Role in College Curriculum: (Check all that apply) <input type="checkbox"/> General Education Core (Specify category) <input checked="" type="checkbox"/> Technical Core: Automotive Technology <input type="checkbox"/> Restricted Elective (Specify category) <input type="checkbox"/> General Elective <input type="checkbox"/> Workforce Education <input type="checkbox"/> Other (Please specify)
Course Fee: Yes
Instructor's Qualifications: BS Automotive Technology or related discipline and/or expertise and experience in the field.

Course Number & Title: ATT 205-Automotive Electricity/Electronics II

Date Prepared: 02/13/09; 11/18/13; 06/10/15

Submitted to LOT: 02/16/09; 11/18/13

Date Course Approved by LOT: 02/16/09; 11/18/13; 04/20/15; 09/21/15

Expanded Course Description:

Students learn advance fundamentals of electrical and electronic operations. Students perform diagnosis and repair functions utilizing scanner technology, electrical laws, principles and techniques. Students perform diagnostics functions utilizing wiring diagrams, scanner technology and manufacturer testing formats. Students will address hybrid and alternative fuel technology.

Prepared by:

Doug Swick, Faculty

03/16/15: 06/10/15

Approved Per LOT Minutes:

Dean, Academic and Student Services

Date