

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

Course Prefix and Number: ATT 128
Course Title: Automotive Heating and Air Conditioning
Recommended Transcript Title: Automotive Heating and Air Conditioning
Date Approved/Revised: 11/14/08; 11/18/13; 09/21/15
Credit Hours: 4 Contact hours per week (Based on 15 week term): Lecture: 3 Lab: 3
Prerequisite: Corequisite: Pre/Corequisite:
Grading Mode: Letter grade
Catalog Description: This course introduces students to the fundamentals and technology necessary for diagnosis and repair of automotive heating and air conditioning systems. Course includes diagnosis of mechanical and electronic malfunctions that impact climate control.
Course Outcomes: Students will learn; <ul style="list-style-type: none"> • How to safely work on heating and AC systems and proper PPE use • Locate all heating and air conditioning components • To locate proper manuals and specifications for various HVAC systems utilized in automotive systems • To safely remove, clean and diagnose all components of HVAC systems • How to reinstall inspected, repaired or replaced components • To utilize gauges and electronic metering to determine required refrigerant charge in AC systems • How to determine which refrigerant is to be utilized in each system • Proper handling of refrigerants for use in automotive systems • To identify all components in HVAC systems
Implementation Cycle: Spring
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.
Expanded Course Description: Students learn the basic fundamentals of heating and air-conditioning systems to

Course Number & Title: ATT 128-Automotive Heating and Air Conditioning

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

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

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

include mechanical functions and electronic control operations. Students will diagnosis, repair and charge climate control systems.

Prepared by:

Doug Swick, faculty

11/18/13; 06/10/15

Approved Per LOT Minutes:

Dean, Academic and Student Services

Date