

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

Course Prefix and Number: ATT 226
Course Title: Automatic Transmissions and Transaxles
Recommended Transcript Title: Automatic Transmissions and Transaxles
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: Corequisite: Pre/Corequisite:
Grading Mode: Letter grade
Catalog Description: This course introduces students to the basic fundamentals, technology and service of automotive automatic transmissions and transaxles. Students learn to diagnose and to repair system components including transmissions, transaxles, torque converters and electronic controls.
Course Outcomes: Students will learn: <ul style="list-style-type: none"> • To complete work order to include customer information, vehicle identifying information, customer concern, related service history, cause and correction • To comply with personal and environmental safety practices associated with clothing, eye protection, hand tools, power equipment, proper ventilation, and handling; storage, and disposal of chemicals/materials in accordance with local state, federal safety and environmental regulations • To identify and interpret transmission/transaxle concerns, differentiate between engine performance and transmission/transaxle concerns; determine necessary action • Diagnose Transmission/transaxle gear reduction/multiplication concerns • To perform various mechanical tests on transmissions to diagnose possible concerns • To locate information applicable to the vehicle and transmission in question • How to remove transmissions and drive axles safely • How to disassemble and inspect components of transmissions and drive axles • To reinstall repaired or replaced components
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

Course Number & Title: ATT 226-Automatic Transmission and Transaxles
Date Prepared: 02/13/09; 11/18/13; 03/16/15; 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

<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 fundamentals and technology of automatic transmission operations. Students perform diagnosis and repair of valve body, servo, check balls, springs, sprags, bearings and bushings. Students learn maintenance procedures for transmissions and transaxles including checking fluid change and flushing. Students perform electronic control diagnosis and testing using scan tools.

Prepared by:

Doug Swick, Faculty

03/16/15; 06/10/15

Approved Per LOT Minutes;

Dean, Academic and Student Services

Date