Department:

Automotive Technology

Course Description:

This course continues the study of automatic transmissions and transaxles and their electronic control circuits, including trouble diagnosis and service procedures.

Course Competencies:

Upon completion of the course, the student should be able to:

1. Disassemble automatic transmissions and components.
2. Disassemble automatic transaxles and components.
3. Inspect automatic transmissions and components.
4. Inspect automatic transaxles and components.
5. Repair automatic transmissions and components.
6. Repair automatic transaxles and components.
7. Reassemble automatic transmissions and components.
8. Reassemble automatic transaxles and components.

Course Content:

A. Advanced Automatic Transmission/Transaxle Diagnosis
   1. Preliminary Problem Diagnosis
   2. Types of Testing
   3. Types of Scan Tools and Pressure Testing
   4. Linkage Adjustments

B. Automatic Transmission/Transaxle Unit Repair
   1. Removing the Transmission/Transaxle
   2. Disassembly of the Transmission/Transaxle
   3. Types of Clutches
   4. Disc Inspection
   5. Reassembling Procedures
   6. Checks and Flushing
   7. Reinstalling the Transmission/Transaxle
   8. Road Testing

Learning Assessments:

Assessments may include quizzes, tests, project work, demonstrations, observations, weekly assignments, and written papers.
Instructional Materials:


Guidelines for Requesting Accommodations Based on Documented Disability or Medical Condition

It is the intention of Highland Community College to work toward full compliance with the Americans with Disabilities Act, to make instructional programs accessible to all people, and to provide reasonable accommodations according to the law.

Students should understand that it is their responsibility to self-identify their need(s) for accommodation and that they must provide current, comprehensive diagnosis of a specific disability or medical condition from a qualified professional in order to receive services. Documentation must include specific recommendations for accommodation(s). Documentation should be provided in a timely manner prior to or early in the semester so that the requested accommodation can be considered and, if warranted, arranged.

In order to begin the process all students must complete the “Disabilities Self-Identification Form” at this link: https://highlandcc.edu/pages/disability-services.

This form can also be accessed at the Highland Community College homepage under Students Services/Student Resources/Disability Service or by contacting the Disabilities Coordinator.