

AUT 251 : AUTOMATIC TRANSMISSIONS - REBUILD

Transcript title

Auto Transmissions Rebuild

Credits

3

Grading mode

Standard letter grades

Total contact hours

90

Lab hours

90

Prerequisites

AUT 101, AUT 106, AUT 107, AUT 110 and AUT 115.

Course Description

Provides an understanding of the basic principles and theory of planetary gear sets, torque converters and hydraulic controls as applied to automatic transmissions. Includes construction, operation and overhaul of current transmission types with emphasis on diagnosis, service and procedures to conform to current service manuals. A self-paced course.

Course learning outcomes

1. Describe components used in an automotive automatic transmission.
2. Perform disassembly and assembly of automatic transmission/transaxle units while off the vehicle.
3. Perform internal adjustments to transmissions, such as bands, clutch packs, linkages.
4. Perform air pressure checks to test the operation of servos and clutch packs prior to reassembly.
5. Communicate technical information verbally and in writing.
6. Describe and practice safety procedures while working in an automotive shop environment.

Content outline

1. Automatic Transmissions and Transaxles
2. Hydraulic Components and Control Systems
3. Automatic Transmission/Transaxle Unit Repair

Required materials

Requires special gear, see syllabus for details.