

**Western Dakota Tech
800 Mickelson Drive
Rapid City, SD 57703-4018**

Master Syllabus

Course Number: TTT 222
Course Name: Light Duty Drivetrains
Credits: 4
Contact Hours: 4 Lecture

Course Description: This course will teach the theory of construction, operation, and repair of automatic and standard transmissions/transaxles, clutches, drivelines, and differentials of automobiles. The theories of hydraulics will also be introduced to get a better understanding of how the internals of an automatic transmission and slave cylinders work.

Prerequisites: None

Textbooks: <http://bookstore.wdt.edu>

Materials: None

Student Learning Outcomes:

- Explain power flow of an automotive manual transmission/transaxle
- Explain automatic transmission/transaxle power flow

Assessment: The core abilities of analytical skills, communication skills, technology skills, teamwork techniques, and employability will be assessed throughout this course.

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