

Lake Superior College

ASTE 2460: Transmission Lab

A. COURSE DESCRIPTION

Credits: 3

Lecture Hours/Week: 0

Lab Hours/Week: 6

OJT Hours/Week: *.*

Prerequisites: None

Corequisites: None

MnTC Goals: None

This course covers hands-on lab experience in which various transmissions and transaxles are overhauled, adjusted and bench tested. Basic overhaul techniques, special tool, and gauge usage are taught. (Prerequisites: ASTE1400, ASTE1430 and ASTE2450) (0 hrs lec/6 hrs lab/0 hrs OJT)

B. COURSE EFFECTIVE DATES: 04/11/2003 - Present

C. OUTLINE OF MAJOR CONTENT AREAS

1. 01
2. 01
3. 01
4. 01
5. 01
6. 01
7. 01
8. 01
9. 01
10. 01
11. 01
12. 01

D. LEARNING OUTCOMES (General)

1. exhibit professional behaviors and function safely in the automotive lab
2. service torque converter systems
3. analyze special transmission tools
4. perform disassembly of automatic transmission
5. perform automatic transmission seal and gasket replacement
6. perform automatic transmission hard parts inspection
7. analyze transmission failure and develop repair estimate.
8. trace automatic transmission power flow
9. perform automatic transmission subassemblies bench testing and assembly
10. perform road tests and analyze conditions related to customer complaints
11. perform appropriate tests and diagnostic routines to determine repairs
12. perform manual transmission/transaxle repair

E. Minnesota Transfer Curriculum Goal Area(s) and Competencies

None

F. LEARNER OUTCOMES ASSESSMENT

As noted on course syllabus

G. SPECIAL INFORMATION

None noted