

**Course discipline/number/title: AMT 2744: Automatic Transmission/Transaxle Lab****A. CATALOG DESCRIPTION**

1. **Credits:** 4
2. **Hours/Week:** 8
3. **Prerequisites (Course discipline/number):** None
4. **Other requirements:** None
5. **MnTC Goals (if any):** NA

**B. COURSE DESCRIPTION:** This course is a hands-on lab class in which various transmissions and transaxles are diagnosed, basic overhaul techniques, are demonstrated, special tool and gauge usage are taught. Electronic controls and scan tool usage is covered extensively.

**C. DATE LAST REVISED (Month, year):** February, 2022

**D. OUTLINE OF MAJOR CONTENT AREAS:**

1. Automatic Transmission Diagnosis and replacement
2. Electronic Transmission Controls
3. Automatic Transaxles Diagnosis and replacement

**E. LEARNING OUTCOMES (GENERAL):** The student will be able to:

1. Diagnose and replace transmissions and transaxles.

**F. LEARNING OUTCOMES (MNTC):** NA

**G. METHODS FOR EVALUATION OF STUDENT LEARNING:** Methods may include but are not limited to:

1. Lab performance and Quality of Work.
2. Diagnostic Worksheets

**H. RCTC CORE OUTCOME(S).** This course contributes to meeting the following RCTC Core Outcome(s):  
**Communication.** Students will communicate appropriately for their respective audiences.

**Critical Thinking.** Students will think systematically and explore information thoroughly before accepting or formulating a position or conclusion.

**I. SPECIAL INFORMATION (if any):** None