AIR BRAKE ELECTRONICS — HDTT 1104

A. Course Description

- Credits: 2.00
- Lecture Hours/Week: 1.00
- Lab Hours/Week: 1.00
- OJT Hours/Week: 0
- Prerequisites: None
- Corequisites: None
- MnTC Goals: None

This course will cover the theory and operation of electronics in air brake systems associated with a heavy duty truck. Students will demonstrate safe shop practices while working on electronic air brake systems. Students will demonstrate identification, troubleshooting and repair of complex electronic systems. Anti-lock braking, rollover stability, and collision avoidance will be discussed and applied using the latest technology.

B. Course Effective Dates: 12/9/19 – Present

C. Outline of Major Content Areas

As noted on course syllabus

D. Learning Outcomes

1. Describe and demonstrate ABS electrical systems
2. Describe and demonstrate troubleshooting ABS systems
3. Demonstrate and understand professionalism and safety practices

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

F. Learner Outcomes Assessment

As noted on course syllabus

G. Special Information

None noted