A. COURSE DESCRIPTION

Credits: 4
Lecture Hours/Week: *.*
Lab Hours/Week: 8
OJT Hours/Week: *.*
Prerequisites:
DIES 1633 - Diesel Electronic Systems (Number of Years Valid: 5) AND DIES 1642 - HVAC Systems (Number of Years Valid: 5) AND DIES 1632 - DC Electricity (Number of Years Valid: 5) AND DIES 1641 - Diesel Fuel Systems (Number of Years Valid: 5) AND DIES 1635 - Hydraulic Fundamentals (Number of Years Valid: 5) AND DIES 1636 - Power Trains I (Number of Years Valid: 5)
Corequisites: None
MnTC Goals: None

This shop unit emphasizes advanced troubleshooting, repair, testing, and proper installation of components along with required safety procedures.

B. COURSE EFFECTIVE DATES: 08/24/2015 - Present

C. OUTLINE OF MAJOR CONTENT AREAS

1. Demonstrate shop safety practices.
2. Understand shop procedures.
3. Retain the ability to read & use manuals/computers for info.
4. Demonstrate work performance in timely manner.
5. Ability to analyze damaged or broken parts.
6. Demonstrate working with diagnostic equipment.

D. LEARNING OUTCOMES (General)

1. The learner will demonstrate ability to use proper shop safety test procedures.
2. The learner will demonstrate ability to operate, test, and reassemble components.
3. The learner will demonstrate ability to diagnose, disassemble, and perform repair procedures.
4. The learner will demonstrate ability to properly select and dispose of waste and recycling products.

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

None

F. LEARNER OUTCOMES ASSESSMENT

As noted on course syllabus

G. SPECIAL INFORMATION

None noted