

Course Outcome Guide (COG)

Approved April 13, 2015

Course: DTEC 105	Title: Maintenance Procedures	Credits: 4	Instructor:		
Course Description:	This course covers maintenance and inspection procedures used as industry standards within the light/medium/heavy duty vehicle industry as well as shop safety and procedures that will be covered.				
Concepts and Issues	Process Skills	Assessment Tasks	Intended Outcomes		
			Course	General Education or Program	Institutional
<ul style="list-style-type: none"> • For the student to develop a basic understanding of proper safety knowledge and procedures • Develop skills for proper procedures for use of shop tools and equipment • Develop skills for performing DOT/PM inspection • Develop skills to perform periodic maintenance procedures on various types of vehicles 	<ul style="list-style-type: none"> • Identify and describe the function of OSHA, MSDS and JSA forms • Demonstrate proper procedure in the use of shop tools and equipment • Demonstrate proper procedure while performing DOT/PM inspection forms • Perform periodic maintenance procedures on various types of vehicles 	<ul style="list-style-type: none"> • Weekly testing • Shop performance • Demonstration of course specific skills 	<ol style="list-style-type: none"> 1. Demonstrate safety procedures used within the industry to include MSDS, JSA etc. 2. Demonstrate the ability to perform DOT/PM vehicle inspections 3. Perform periodic maintenance procedures on various types of vehicles 4. Demonstrate proper use of shop equipment 	<ol style="list-style-type: none"> 1. Make troubleshooting decisions and complete repairs using the proper tools and equipment based on concepts and processes learned in the Transportation program. 2. Be prepared to take NATEF Certification tests. 3. Apply the knowledge acquired for future employment. 4. Apply the knowledge of safety procedures and handling of hazardous material processes to their training and future employment. 	<ol style="list-style-type: none"> 1. Students will demonstrate effective communication skills. 2. Students will use reasoning skills to analyze and solve problems.

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