

Course Outcome Guide (COG)

Approved April 13, 2015

Course: DTEC 267	Title: Engine Repair	Credits: 4	Instructor:		
Course Description:	This course covers principles of component identification, function and disassembly and reassembly procedures used in modern engines.				
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 engine components and their function Develop skills for proper procedures in disassembly and reassembly of engine components Develop skills for engine assembly procedures and adjustments 	<ul style="list-style-type: none"> Identify and describe the function of components used in modern engines Demonstrate proper procedure in engine disassembly and parts evaluation Demonstrate knowledge of reassembling engine components and performing needed 	<ul style="list-style-type: none"> Weekly testing Shop performance Demonstration of course specific skills 	<ol style="list-style-type: none"> Demonstrate procedures used in engine disassembly and evaluation of components Demonstrate the ability to identify engine components and explain their function Perform skills on reassembly procedures Demonstrate knowledge in performing valve and injector adjustments 	<ol style="list-style-type: none"> Make troubleshooting decisions and complete repairs using the proper tools and equipment based on concepts and processes learned in the Transportation program. Be prepared to take NATEF Certification tests. Apply the knowledge acquired for future employment. Apply the knowledge of safety procedures and handling of hazardous material processes to their training and future employment. 	<ol style="list-style-type: none"> Students will demonstrate effective communication skills. Students will use reasoning skills to analyze and solve problems.

	adjustments				
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