## MINNESOTA WEST COMMUNITY & TECHNICAL COLLEGE COURSE OUTLINE

DEPT. DSL	COURSE NUMBER: 2155
NUMBER OF CREDITS: 3	Lecture: 1 Lab: 2 OJT 0
Course Title:	
Diesel Engine Control Systems	
Catalog Description:	
Diesel Engine Control Systems explains the operation electronically controlled engines.	n of all the different governors and
Prerequisites or Necessary Entry Skills/Kn	owledge:
None	
FULFILLS MN TRANSFER CURRICULU	JM AREA(S)
□Goal 1: Communication: By meeting the following	competencies:
☐Goal 2: Critical Thinking: By meeting the following	-
☐Goal 3: Natural Sciences: By meeting the following	
☐Goal 4: Mathematics/Logical Reasoning: By meetin	g the following competencies:
☐Goal 5: History and the Social and Behavioral Sciencompetencies:	
☐Goal 6: The Humanities and Fine Arts: By meeting	the following competencies:
☐Goal 7: Human Diversity: By meeting the following	
☐Goal 8: Global Perspective: By meeting the following	•
☐Goal 9: Ethical and Civic Responsibility: By meetin	-
☐Goal 10: People and the Environment: By meeting t	
<b>Topics to be Covered</b>	
Governors	
Electrically Controlled Engines	
Computer Programs	
Computer Diagnostics	
Engine Specifications	
<b>Student Learning Outcomes</b>	
Control engine speed with governors	
Operate electronically controlled engines	
Operate different types of engines with computer pro	grams
Analyze fault codes	
Diagnose and renair engine systems according to mai	nufacturers' specifications

Is this course	part of a transfer	pathway: Yes	No	

Revised Date: 8/2021