

MINNESOTA WEST COMMUNITY & TECHNICAL COLLEGE

COURSE OUTLINE

DEPT. DSL

COURSE NUMBER: 1125

NUMBER OF CREDITS: 3

Lecture: 0 Lab: 3 OJT 0

Course Title:
Powertrain Lab

Catalog Description:
Powertrain Lab demonstrates the disassembly, inspection, evaluation, diagnostics, repair and adjustments and reassembly of all components of the powertrain.

Prerequisites or Necessary Entry Skills/Knowledge:
None

FULFILLS MN TRANSFER CURRICULUM AREA(S)

- ☐ Goal 1: Communication: By meeting the following competencies:
- ☐ Goal 2: Critical Thinking: By meeting the following competencies:
- ☐ Goal 3: Natural Sciences: By meeting the following competencies:
- ☐ Goal 4: Mathematics/Logical Reasoning: By meeting the following competencies:
- ☐ Goal 5: History and the Social and Behavioral Sciences: By meeting the following competencies:
- ☐ Goal 6: The Humanities and Fine Arts: By meeting the following competencies:
- ☐ Goal 7: Human Diversity: By meeting the following competencies:
- ☐ Goal 8: Global Perspective: By meeting the following competencies:
- ☐ Goal 9: Ethical and Civic Responsibility: By meeting the following competencies:
- ☐ Goal 10: People and the Environment: By meeting the following competencies:

Topics to be Covered
Overhaul transmissions
Rebuild transmissions
Repair drivetrain components

Student Learning Outcomes
Diagnose and identify needed repairs
Monitor power flow
Repair drivetrain and related components
Rebuild basic manual transmission
Overhaul basic manual transmission
Repair clutches

Adjust clutches and powertrain linkages

Is this course part of a transfer pathway: Yes <input type="checkbox"/> No <input checked="" type="checkbox"/>

Revised Date: 8/2021