COURSE OUTLINE

DEPT. DSL COURSE NUMBER: 1125

NUMBER OF CREDITS: 3 Lecture: 0 Lab: 3 OJT 0

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<th>Course Title:</th>
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<tr>
<td>Powertrain Lab</td>
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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 ☐ | No ☒ |

Revised Date: 8/2021