Course Title:
Blueprint Reading for Welders

Catalog Description:
Blueprint Reading for Welders presents a thorough foundation for understanding the symbols, practices, and concepts used in prints created for manufacturing. It will present information on blueprint reading using a step by step process to enable students to visualize and interpret blueprints used in industrial settings.

Prerequisites or Necessary Entry Skills/Knowledge:
None

FULFILLS MN TRANSFER CURRICULUM AREA(S) (Leave blank if not applicable)
☐ 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
Visualizing shapes
Line usage
Title blocks and notes
Dimensions and tolerances
Drawing types
Views
Drawing revision systems
Machining specifications and notes
Weld/Fabrication prints and symbols
### Student Learning Outcomes

| Identify symbols, practices and concepts used in blueprints created for manufacturing. |
| Demonstrate ability to visualize and interpret the information presented on blueprints used in industry. |

| Is this course part of a transfer pathway: Yes ☐ No ☒ |
| *If yes, please list the competencies below* |

Revised Date: 3/29/2022