Course Title:
Blueprint Reading for Welders

Catalog Description:
This course 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.

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:

Prerequisites or Necessary Entry Skills/Knowledge:
### 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*

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