**Course Title:** Print Reading I

**Catalog Description:**
Print Reading I introduces students to fundamental print reading skills. Students will read building plans and pipe diagrams, interpret floor plan elevations, draw isometric views and sketch working drawings. Students will develop skills in estimating plumbing cost for basic residential installations and remodels. Building on these skills, the student will gain knowledge of complex residential pipe diagrams and isometric drawings.

**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**
- Fundamental components of building plans and drawings
- Plumbing & HVAC symbols, blueprint terms, welding symbols
- Interpret and draw simple plans

**Student Learning Outcomes**
- Read architect’s scale.
- Interpret and draw simple floor plans
- Analyze rough-in drawings.
- Design underground and drainage, water, waste and vent systems
Design and size water distribution piping.

**Is this course part of a transfer pathway?**  Yes ☐  No ☒

*If yes, please list the competencies below*

Revised Date: 4/29/2024