Course Title:
Print Reading II

Catalog Description:
Learn how to read building plans and pipe diagrams, interpret floor plans, elevation views, draw isometrics and sketch detailed work 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.

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:
PLHT 1115 – Print Reading I
**Topics to be Covered:**

- Advanced components of building plans and drawings
- Plumbing and HVAC symbols, blueprint terms, welding symbols
- Complex building plans
- Estimating and interpreting plans
- Construction specifications and schedules

**Student Learning Outcomes**

1) Draw floor plans to scale.
2) Interpret complex residential prints.
3) Interpret material sizes and fixtures from prints.
4) Calculate run, travel and offsets.
5) Interpret plumbing prints and symbols.
6) Interpret construction specifications.
7) Interpret construction schedules.
8) Identify and propose solutions to print conflicts.

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

Revised Date: May 2020