

# Minnesota State College Southeast

## CARP 1220: Architectural Drawings 2

### A. COURSE DESCRIPTION

Credits: 1

Lecture Hours/Week: 1

Lab Hours/Week: \*.\*

OJT Hours/Week: \*.\*

Prerequisites: None

Corequisites: None

MnTC Goals: None

This course advances the skills taught in Architectural Drawings 1 with a focus on industrial and commercial blueprints. (Prerequisite: CARP 1120) (1 credits: 1 lecture/0 lab)

**B. COURSE EFFECTIVE DATES:** 02/06/2018 - Present

### C. OUTLINE OF MAJOR CONTENT AREAS

1. Review Blueprint Reading
2. Introduction to Commercial and Industrial Construction
3. Reading Prints Related to Commercial and Industrial Construction

#### **D. LEARNING OUTCOMES (General)**

1. Review drafting mechanics
2. Interpret basic architectural abbreviations
3. Identify drawing equipment and materials
4. Assume individual job responsibility
5. Read/use architectural scales
6. Read and interpret commercial floor plan
7. Read and interpret industrial floor plans
8. Read and interpret architectural titles and notes
9. Interpret foundation/basement plan
10. Read architectural blueprint dimensions
11. Read and interpret typical wall-section views
12. Read pictorial drawings
13. Read and interpret architectural drawing scales
14. Interpret basic architectural symbols
15. Lay out scaled interior/exterior walls
16. Clean and maintain work areas
17. Lay out window locations
18. Lay out interior/exterior door locations
19. Interpret window schedule information
20. Interpret door schedule information
21. Incorporate stairwell opening
22. Read and interpret stair detail drawings
23. Dimension stair detail
24. Read and interpret cabinet plan view drawings
25. Interpret cabinet detail drawings
26. Identify projected surfaces
27. Read and interpret building elevation drawings
28. Read and interpret building specifications
29. Read and interpret ADA requirements
30. Illustrate plot-appropriate residence
31. Duplicate blueprints
32. Read electrical blueprints
33. Read mechanical blueprints

#### **E. Minnesota Transfer Curriculum Goal Area(s) and Competencies**

None

#### **F. LEARNER OUTCOMES ASSESSMENT**

As noted on course syllabus

#### **G. SPECIAL INFORMATION**

None noted