

# Minnesota State College Southeast

## CARP 2210: Commercial Construction 3

### A. COURSE DESCRIPTION

Credits: 2

Lecture Hours/Week: 1

Lab Hours/Week: 2

OJT Hours/Week: \*.\*

Prerequisites: None

Corequisites: None

MnTC Goals: None

This course is designed to have students gain further knowledge of commercial building and gain knowledge of prefabricated steel buildings. (Prerequisite: CARP 2110 Commercial Construction 2) (2 credit: 1 lecture/1 lab)

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

### C. OUTLINE OF MAJOR CONTENT AREAS

### D. LEARNING OUTCOMES (General)

1. Fine tune skills with steel stud framing
2. Learn building management systems and their relationship to door hardware
3. Install panic bars
4. Install closers
5. Discover keying schedules
6. Identify use of multiple keying types
7. Identify uses of building access system
8. Identify pre-planning of building management system
9. Discover the pros and cons of pre-engineered steel buildings
10. Discover methods of erecting steel structures
11. Explore finishing techniques of steel buildings
12. Explain bracing applications of pre-engineered steel structures
13. Identify different uses for steel buildings
14. Identify different types of steel buildings
15. Identify roof techniques on steel structures
16. Discover the importance of anchor bolt placement for steel structures
17. Identify safety solutions for commercial buildings and roofs
18. Explain what a competent person is on a construction site

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

None

### F. LEARNER OUTCOMES ASSESSMENT

As noted on course syllabus

**G. SPECIAL INFORMATION**

None noted