

# Minnesota State College Southeast

## MDAD 1204: Autocad

### A. COURSE DESCRIPTION

Credits: 3

Lecture Hours/Week: 1

Lab Hours/Week: 4

OJT Hours/Week: \*.\*

Prerequisites: None

Corequisites: None

MnTC Goals: None

AutoCAD is the most common computer aided drafting software. This course will cover AutoCAD functions as used in engineering drawing. Basic and advanced commands will be used to complete assignments. An introduction to 3-D CAD will be included. (Prerequisite: none) (3 credits: 1 lecture/2 lab)

**B. COURSE EFFECTIVE DATES:** 04/27/1998 - Present

### C. OUTLINE OF MAJOR CONTENT AREAS

### D. LEARNING OUTCOMES (General)

1. Analyze the inquiry commands
2. Display proper file maintenance
3. Analyze AutoCAD fundamentals
4. Analyze object construction and manipulation
5. Analyze geometric constructions
6. Analyze creation of directories
7. Analyze dimensioning techniques
8. Prepare formal drawings from verbal instructions
9. Analyze region modeling techniques
10. Analyze section views
11. Analyze auxiliary views
12. Analyze isometric drawings
13. Analyze solid modeling fundamentals
14. Prepare formal drawings from sketches
15. Prepare formal drawings from layouts
16. Analyze multiview projection

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

None

### F. LEARNER OUTCOMES ASSESSMENT

As noted on course syllabus

**G. SPECIAL INFORMATION**

None noted