

Minnesota

Articulated College Credit (ACC) Agreement

www.CTEcreditMn.com

Agreement Name: **AutoCAD**

Agreement Last Reviewed: **Fall 2023**

Next Review Date: **Fall 2025**

College Courses

| Class | Title | School | Credits |
|-----------|-------|--------------------|------------|
| DRFT 1502 | CAD I | Ridgewater College | 3.0 of 3.0 |

Curriculum Content Objectives

To receive credit, students will meet 100% of the following content objectives:

1. Describe graphic screen components
2. Make geometrical objects
3. Make POLYLINES
4. Change system variables *
5. Format/Use/Save text styles **
6. Format drawing setup
7. Make layer settings
8. Use key command shortcuts ***
9. Use all selection sets
10. Create Dimension Styles
11. Use coordinates: absolute, relative, polar
12. Use direct distance entry
13. Use OBJECT SNAP commands
14. Use GRID
15. Use SNAP
16. Use GRIPS
17. Use ZOOM/PAN commands
18. Use DESIGN CENTER
19. Use POLAR TRACK
20. Use OTRACK
21. Use HELP command
22. Use INQUIRY commands
23. Use ARRAY command
24. Use BREAK command
25. Use OFFSET command
26. Use TRIM/EXTEND commands
27. Use STRETCH command
28. Use SCALE command
29. Use MOVE command
30. Use MTEXT and DTEXT commands
31. Use MIRROR command
32. Use COPY command
33. Use INSERT command
34. Use layers
35. Use paper space/model tabs
36. Use Windows Management files
37. Use Options Dialogue Box
38. Use Spell Check
39. Create ATTRIBUTES
40. Create BLOCKS, WBLOCKS
41. Create and Edit VIEWPORTS
42. Creating and Editing Layout Spaces
43. Modify object properties
44. Modify Dimensions styles
45. Place and edit dimensions
46. Edit ATTRIBUTES
47. Edit POLYLINES
48. Edit CAD objects
49. Draft multi-view drawing(s)
50. PLOT/print to scale

Version of Software Used

[Please complete/fill in the blank]: _____

*(Releases accepted: AutoCAD 2022, LT2022 [all applications] **or more current**. All other release approvals will be at the discretion of the individual college instructor.)*

Definitions (For Instructor Use):

***Change System Variables:** Control the operation of AutoCAD by changing system variables such as UCSICON, LTSCALE, MIRRTEXT, etc.

****Create/Use/Save text styles:** Use the STYLE command to create text style settings and use them in making drawing text.

*****Use Key command shortcuts:** Use the two and three letter command aliases (at least the commonly used commands) in preference to using toolbar icons, typing whole command names, or using pull down menus. Use = Demonstrating ability

Assessments

Students must achieve no less than 80% or B for a final grade in the high school course to receive ACC.

ACC Concept

Through Articulated College Credit (ACC), specific college curriculum content goals and assessments are embedded in participating high school career and technical education (CTE) programs as specified in this agreement. Relevant knowledge, skills, and standards are taught by qualified CTE high school instructor(s) in one or more high school course. ACC is awarded if the student meets the college equivalency standards and later enrolls in the college(s) listed requiring the course in a specific program.