



AutoCAD® Self-paced Learning Modules

# AutoCAD Customization

## Content Module

### Contents and Learning Outcomes

#### **Module 1 Contents and Index**

#### **Module 2 Preferences**

1. Describe and apply the command PREFERENCES

#### **Module 3 Options**

2. Describe and apply the command OPTIONS

#### **Module 4 The Program Parameter File**

3. Describe and apply the Program Parameter file section for external commands and Windows applications.
4. Describe and apply the Program Parameter file section for command aliases.
5. Describe and apply the SHELL and SH commands.

#### **Module 5 Slides and Script Files**

6. Describe AutoCAD's file extensions.
7. Describe AutoCAD slides and apply the commands MSLIDE and VSLIDE.
8. Describe AutoCAD script files and apply the commands SCRIPT, DELAY, RESUME, GRAPHSCR, TEXTSCR, and RSCRIPT.

#### **Module 6 Competency Test No. 1**

#### **Module 7 Menu Syntax**

9. Describe the menu file types used by AutoCAD.
10. Describe and apply the MENU command.
11. Describe the layout of a menu file.
12. Describe and write menu items.
13. Describe and apply the codes, symbols, and special characters used in menu files.

#### **Module 8 Button and Screen Menus**

14. Describe the layout and operation of the Buttons and Auxiliary sections in a menu file.
15. Create a menu file containing Buttons and Auxiliary sections.
16. Describe the layout and operation of the Screen section in a menu file.
17. Create a menu file containing a Screen section.

### **Module 9 Pull Down and Cursor Menus**

18. Describe the layout and operation of the pull-down sections in a menu file.
19. Describe the layout and operation of the Helpstrings section in a menu file.
20. Describe the layout and operation of the Accelerators section in a menu file.
21. Create a menu file containing pull-down sections, Helpstring section and Accelerators section.

### **Module 10 Competency Test No. 2**

### **Module 11 Toolbar Menus**

22. Create and edit Toolbars from within AutoCAD.
23. Describe the layout and operation of the Toolbars section in a menu file

### **Module 12 Image Tile Menus**

24. Describe the layout and operation of the Image section in a menu file.
25. Create a menu file containing an Image section.
26. Describe and apply the DOS command SLIDELIB.

### **Module 13 Tablet Menus**

27. Describe the layout and operation of the tablet sections in a menu file.
28. Create a menu file containing a tablet section.
29. Describe and apply the TABLET command and its options *ON OFF CAL* and *CFG*.
30. Use the tablet to digitize a hard copy drawing into AutoCAD.

### **Module 14 Menu Macros**

31. Describe and write menu macros.
32. Describe and apply the command SELECT in a menu macro.

### **Module 15 Loading Partial Menus**

33. Describe and apply the MENULOAD command.

### **Module 16 Competency Test No. 3**

### **Module 17 System Variables and Template Drawings**

34. Describe and create an AutoCAD template drawing.
35. Describe and set AutoCAD system variables.
36. Describe and apply the command SETVAR

**Module 18 Attributes**

37. Describe and apply the ATTDEF command and its options *Invisible*, *Constant*, *Verify*, and *Preset*.
38. Define and insert Blocks that have Attributes attached to them.
39. Describe and apply the ATTDISP command and its options *Normal*, *ON*, and *OFF*.
40. Describe and apply the -ATTEDIT and ATTEDIT commands.
41. Describe and apply the ATTEXT command and its options *CDF*, *SDF*, *DXF*, and *Objects*.

**Module 19 Shapes**

42. Describe and apply the COMPILE command.
43. Describe and apply the LOAD command.
44. Describe and apply the SHAPE command.
45. Create shapes in a shape definition file.

**Module 20 Custom Linetypes and Hatch Patterns**

46. Create linetypes in a linetype definition file.
47. Describe and apply the LINETYPE command and its options *?*, *Create*, *Load*, and *Set*.
48. Create hatch patterns in a hatch pattern definition file.

**Module 21 Drawing Interchange Files**

49. Describe the format of a DXF file.
50. Describe and apply the DXFOUT command and its options *Decimal places*, *Entities* and *Binary*.
51. Describe and apply the DXFIN command.

**Module 22 AutoLISP Programs**

52. Describe how to load AutoLISP programs by using the LOAD function and the APPLOAD program.
53. Explain how to run AutoLISP programs after they are loaded.

**Module 23 Competency Test No. 4**