

## Module 1: Creating a Simple Drawing

- Section 1: Getting Started with AutoCAD
  - Starting AutoCAD
  - Using Your Pointing Device
  - Opening an Existing Drawing File
  - AutoCAD's Screen Layout
  - Command Line & Using the Keyboard
  - What Happens When You RightClick? AutoCAD's Cartesian Workspace
  - Self-Check: Getting Started with AutoCAD
- Section 2: Basic Drawing & editing
  - Drawing Lines Erasing Objects
  - Drawing Lines with Direct Distance
  - Drawing Rectangles
  - Drawing with GRID and SNAP
  - Drawing Circles
  - Viewing Your Drawing
  - Undo
  - Saving Your Work
  - Exiting AutoCAD
  - Command Summary
  - Self Check: Basic Drawing & Editing Commands
  - Project Exercises: Creating a Simple Drawing

## Module 2: Making Your Drawings More Precise

- Section 1: Drawing Precision in AutoCAD
  - Polar Tracking
  - Snapping to Geometric Objects: Object Snap
  - Object Snap Settings
  - Object SnapTracking
  - Command Summary
  - Self Check: Drawing Precision
- Section 2: Making Changes in Your Drawing
  - Selecting Objects for Editing
  - Moving Objects
  - Copying Objects
  - Rotating Objects
  - Scaling Objects
  - Command Summary -
  - Self Check: Making Changes to Your Drawing -
  - Project Exercises: Making Your Drawings More Precise

## Module 3: Drawing Organization and Information

- Section 1: Organizing Your Drawing with Layers
  - Creating New Drawings with Templates
  - What are Layers
  - Layer State
  - Changing an Object's Layer
  - Command Summary
  - Self Check: Organizing Your Drawing with Layers
- Section 2: Getting Information from Your Drawing
  - Measuring a Distance
  - Measuring an Area
  - Information about Objects
  - Command Summary
  - Self Check: Getting Information from Your Drawing
  - Project Exercises: Drawing Organization and Information

## Module 4: Creating More Complex Objects

### Section 1: Advanced Drawing & Editing Commands

Drawing Arcs

Polylines

Converting Polylines to Lines & Arcs

Converting Lines & Arcs to Polylines

Trim

Extend

Fillet

Chamfer

Command Summary

Self Check: Advanced Drawing & Editing Commands

### Section 2: Duplication Commands

Offsetting Objects

Mirroring Objects

Creating Arrays of Objects

Command Summary

Self Check: Duplication Commands

### Section 3 Inserting Blocks

What are Blocks?

Inserting Blocks

Self Check: Inserting Blocks

Project Exercises: Creating More Complex Objects