

Autodesk - AutoCAD Level 3: Creating and Presenting 3D Models

Code:	AUTOCAD-LVL3
Length:	3 days
URL:	View Online

In this course, you will learn the fundamental concepts and workflows for creating 3D models using AutoCAD. You will learn to create solid primitives, solid or surface models from cross-sectional geometry, or composite models from multiple solid models, and you'll learn to add the necessary features to detail, duplicate, and position 3D models. You will learn to document a 3D design by creating 2D drawings for production and visualization, and you'll learn to convert 2D objects to 3D objects. You will learn to communicate design ideas using visual styles, lights, model walk-through tools, and renderings.

Skills Gained

What you'll learn:

- Fundamental concepts and workflows for creating 3D models using AutoCAD
- Represent a design by creating solid primitives, solid or surface models from cross-sectional geometry, or composite models from multiple solid models
- Complete a solid model design by adding the necessary features to detail, duplicate, and position 3D models
- Convert 2D objects to 3D objects
- Document a 3D design by creating 2D drawings for production and visualization
- Communicate design ideas using visual styles, lights, model walk-through tools, and renderings

Who Can Benefit

Professionals who want unparalleled creative freedom, productivity, and precision for producing superb 3D modeling.

Prerequisites

- Knowledge of OS X and basic computer navigation
- Basic design/drafting procedures and terminology
- AutoCAD Level 1: Essentials class or equivalent experience.
- AutoCAD Level 2: Intermediate class or equivalent experience.

Course Details

Lesson 1: 3D Modeling

- Introduction to 3D Modeling
- Creating Solid Primitives
- Creating Models from 2D Profiles
- Creating Composite Solids
- Working in 3D

Lesson 2: Simple Solids

- Working with Solid Primitives
- Solid Primitive Types
- Working with Composite Solids

Lesson 3: Creating Models from Cross Sections

- Converting 2D Objects to Solids or Surfaces

Lesson 4: Editing Models

- Adding Detail to Your Solid Models
- Converting Objects
- Editing Solid Models
- Extracting Geometry from Solid Models
- Changing the Model Position
- Duplicating the Model
- Getting Information from 3D Objects

Lesson 5: Sectioning a Model and Creating Drawings

- Sectioning a Solid Model and Generating 2D Geometry
- Creating Drawings from 3D Models

Lesson 6: Visualization

- Using Visual Styles
- Using Lights
- Using Materials
- Using the Sun
- Rendering
- Navigating the Model
- Using Cameras and Views

Schedule (as of 3)

Date	Location	
Sep 30, 2019 – Oct 2, 2019	Chicago	Enroll
Oct 9, 2019 – Oct 11, 2019	New York	Enroll
Oct 9, 2019 – Oct 11, 2019	Philadelphia	Enroll
Oct 9, 2019 – Oct 11, 2019	Cambridge	Enroll
Oct 9, 2019 – Oct 11, 2019	Laguna Hills	Enroll
Oct 9, 2019 – Oct 11, 2019	Orlando	Enroll

Oct 9, 2019 – Oct 11, 2019	Toronto	Enroll
Oct 9, 2019 – Oct 11, 2019	Washington	Enroll
Oct 28, 2019 – Oct 30, 2019	Chicago	Enroll
Oct 30, 2019 – Nov 1, 2019	Virtual	Enroll
Dec 16, 2019 – Dec 18, 2019	Cambridge	Enroll
Dec 16, 2019 – Dec 18, 2019	Laguna Hills	Enroll
Dec 16, 2019 – Dec 18, 2019	New York	Enroll
Dec 16, 2019 – Dec 18, 2019	Orlando	Enroll
Dec 16, 2019 – Dec 18, 2019	Philadelphia	Enroll
Dec 16, 2019 – Dec 18, 2019	Toronto	Enroll
Dec 16, 2019 – Dec 18, 2019	Washington	Enroll
Dec 16, 2019 – Dec 18, 2019	Chicago	Enroll
Jan 20, 2020 – Jan 22, 2020	Chicago	Enroll
Jan 22, 2020 – Jan 24, 2020	Virtual	Enroll
Feb 18, 2020 – Feb 20, 2020	Cambridge	Enroll
Feb 18, 2020 – Feb 20, 2020	Chicago	Enroll
Feb 18, 2020 – Feb 20, 2020	Laguna Hills	Enroll
Feb 18, 2020 – Feb 20, 2020	New York	Enroll
Feb 18, 2020 – Feb 20, 2020	Orlando	Enroll
Feb 18, 2020 – Feb 20, 2020	Philadelphia	Enroll
Feb 18, 2020 – Feb 20, 2020	Toronto	Enroll
Feb 18, 2020 – Feb 20, 2020	Washington	Enroll
Mar 9, 2020 – Mar 11, 2020	Toronto	Enroll
Mar 23, 2020 – Mar 25, 2020	Chicago	Enroll
Apr 1, 2020 – Apr 3, 2020	Virtual	Enroll
Apr 27, 2020 – Apr 29, 2020	Cambridge	Enroll
Apr 27, 2020 – Apr 29, 2020	Chicago	Enroll
Apr 27, 2020 – Apr 29, 2020	Laguna Hills	Enroll
Apr 27, 2020 – Apr 29, 2020	New York	Enroll
Apr 27, 2020 – Apr 29, 2020	Orlando	Enroll
Apr 27, 2020 – Apr 29, 2020	Philadelphia	Enroll
Apr 27, 2020 – Apr 29, 2020	Toronto	Enroll
Apr 27, 2020 – Apr 29, 2020	Washington	Enroll
Jun 8, 2020 – Jun 10, 2020	Cambridge	Enroll
Jun 8, 2020 – Jun 10, 2020	Chicago	Enroll
Jun 8, 2020 – Jun 10, 2020	Laguna Hills	Enroll
Jun 8, 2020 – Jun 10, 2020	New York	Enroll
Jun 8, 2020 – Jun 10, 2020	Orlando	Enroll
Jun 8, 2020 – Jun 10, 2020	Philadelphia	Enroll
Jun 8, 2020 – Jun 10, 2020	Washington	Enroll

Jun 8, 2020 – Jun 10, 2020	Toronto	Enroll
Jun 10, 2020 – Jun 12, 2020	Virtual	Enroll
Aug 12, 2020 – Aug 14, 2020	Virtual	Enroll
Oct 14, 2020 – Oct 16, 2020	Virtual	Enroll
Dec 16, 2020 – Dec 18, 2020	Virtual	Enroll
Feb 24, 2021 – Feb 26, 2021	Virtual	Enroll

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