

Autodesk Inventor iLogic Training Course

Course Overview

Course Length: 8 Hours

- 8 hours (4 x 2-hrs) of instructor-led training delivered across multiple sessions
- Remote training delivered over MS Teams
- Sessions are recorded and download links are provided for future reference
- Suitable for 1–3 participants
- Scheduling can commence within 7 days of order confirmation
- Flexible session planning to suit project deadlines and team availability
- Private course content tailored to your AutoCAD Electrical workflows and project requirements
- Includes a Certificate of Completion

This training course teaches you how to use the iLogic functionality that exists in Autodesk Inventor. In this practice-intensive curriculum, you will acquire the knowledge required to use iLogic to automate Autodesk Inventor designs. In this course, you will learn how iLogic functionality furthers the use of parameters in a model by adding an additional layer of intelligence. By setting criteria in the form of established rules, you learn how to capture design intent, enabling you to automate the design workflow to meet various design scenarios in part, assembly, and drawing files.

Topics Covered

- iLogic functionality overview
- iLogic workflow overview
- Review of model and user-defined parameters and equations and their importance in iLogic
- Understanding the iLogic interface components (iLogic panel, Edit Rule dialog box, and iLogic browser)
- Rule creation workflow for Autodesk Inventor parts and assemblies
- Using variations of conditional statements in an iLogic rule
- Accessing and incorporating the various function types into an iLogic part, assembly, or drawing file rule
- Event triggers and iTriggers
- Creating forms to create a custom user interface for an iLogic rule

Prerequisites

The class assumes Inventor experience with parts, assemblies and drawings.

No programming knowledge is required to use the basic iLogic functions, but programming experience can be an asset when using advanced functions.

Training Guide Contents

Chapter 1: Introduction to iLogic

- 1.1 Design Automation Overview
- 1.2 iLogic Overview
- 1.3 iLogic Workflow

Chapter 2: Understanding Parameters and Equations in iLogic

- 2.1 Equations in iLogic
- 2.2 Model and User Parameters in iLogic

Chapter 3: Getting Started with iLogic 3.1 iLogic Interface

- 3.2 Function Overview
- 3.3 Rule Creation Workflow

Chapter 4: Rule Creation

- 4.1 Conditional Statements
- 4.2 Operators
- 4.3 Parameter Functions
- 4.4 Feature Functions
- 4.5 iProperty Functions

Chapter 5: Assembly Rules and Functions

- 5.1 Assembly Rules
- 5.2 Component Functions
- 5.3 Relationship Functions
- 5.4 iLogic Components in Inventor Assemblies

Chapter 6: Drawing Rules and Functions

- 6.1 Drawing Rules
- 6.2 Sheet Functions
- 6.3 Title Block Functions
- 6.4 View Functions
- 6.5 Annotation Functions
- 6.6 Advanced Functions

Chapter 7: Rule Triggering and Form Creation

- 7.1 Event Triggers
- 7.2 iTriggers
- 7.3 Forms

Chapter 8: Miscellaneous Features and Functions

- 8.1 Rule Options
- 8.2 Search and Replace
- 8.3 Wizards 8.4 Miscellaneous Functions

Chapter 9: Project Practices

- 9.1 Introduction to Projects
- 9.2 Create a Configurable Model
- 9.3 Create a Configurable Assembly

9.4 Create a Configurable Drawing