

Autodesk® Fabrication CAMduct™ Fundamentals

Brief Synopsis of Class Contents:

The objective of Autodesk Fabrication CAMduct Fundamentals is to enable students to import a basic 3D model, prepare label files for sheet metal developments, and detailed procurement documents. Students will also learn the general navigation through the CAMduct program. This course covers the indispensable core topics for working with Autodesk Fabrication CAMduct. The teaching strategy is to start with a few basic tools that let the student create, edit, and report values in a basic model. You then continue to develop those tools, as well as being introduced to more advanced tools throughout the course. Not every command or option is covered, because the intent is to show the most essential tools and concepts

Learning Objectives:

- Understand the CAMduct workspace and user interface
- Using basic editing, and viewing tools
- Creating labels and other reports
- Item Creation (MAKEPAT)
- Customizing your CAMduct configuration to adhere to your shop standards

Courseware:

Fabrication CAMduct Fundamentals by ASTI

Number of Days:

5 Half-day Sessions

Continuing Education Hours:

None

Who Should Attend:

Ductwork Fabricators and Shop Managers

Prerequisites:

Knowledge of sheet metal fabrication techniques and basic computer skills.

System and Software Requirements:

<http://www.asti.com/LiveLab-Learning-and-Training/LiveLab-System-Requirements>

FAQs and Cancellation Policy:

<http://www.asti.com/LiveLab-Learning-and-Training/LiveLab-FAQS>

Class Outline and Topics:

Introduction

- Overview of Autodesk Fabrication products
- BIM and Fabrication

Deployment

- Setting up a Shared Database
- Migrating an Older Database
- Configuring Names and Permissions

User Interface

- User Interface Overview
- Pull-down Menus
- The Utility Bar
- The Primary View Pane
- Status bar

Takeoff Methods

- Item Folder Takeoff
- Quick Takeoff/Service Takeoff
- Job Contents Manipulation

Setting Item Defaults

- Locking Dimensions
- Locking of Options
- Calculations and Dependencies

Database Settings

- Materials
- Connectors & Seams
- Stiffeners
- Splitters & Airturns
- Insulation & Insulation Specifications

Drawing with Opus

- Opus User Interface
- Basic Opus Drafting Tools
- Tracing and Vectorizing Raster Images

Creating Items (Makepat)

- Patterns for Fabrication
- Item Creation

Reports

- Item Reports and Item Report Builder
- Worksheets and Worksheet Builder
- Nest Reports
- Printer Setup

Nesting and Decoiler Output

- Automatic Nesting
- Oversize Options
- Manual Nest
- Cloud Nesting
- Decoiler Output

Processes

- Creating Processes
- Running Processes
- Re-nesting damaged parts
- Merging multiple Jobs for unified reporting

Scripting

- The Script Editor
- Basic Scripting Principles
- Working with Item Properties