



# Autodesk FeatureCAM: Introduction to Milling

## Course Length: 3 Days

The Autodesk FeatureCAM: Introduction to Milling course focuses on instructing new users on how to use FeatureCAM to create milling toolpaths. The course begins with an introduction to the overall FeatureCAM interface and explains how to manipulate your 3D model to change its orientation and view display. Through additional hands-on, practice-intensive curriculum, you will learn the key skills and knowledge required to set up the environment and assign the milling toolpaths needed to generate the NC code required by milling machines.

## Topics Covered:

- New graphical user interface overview
- Features from Dimensions
- Creating Curves from imported DXF files
- Automatic Feature Recognition (AFR)
- Interactive Feature Recognition
- Multiple Fixture Document
- Geometry Creation Techniques
- Tool Crib Creation
- Machining Attributes and Configurations
- Creating Solids from Curves and Features
- 4-Axis Machining

## Prerequisites:

- As an introductory course, Autodesk FeatureCAM: Introduction to Milling does not assume prior knowledge of FeatureCAM. However, this course will provide limited instructional content on how to create 3D model content. Its focus is solely on generating 2D and 3D milling and drilling toolpaths once models are created. Models will be provided for the practice sessions.

Course description shown for Autodesk FeatureCAM 2022. Topics, curriculum, and/or prerequisites may change depending on software version.

- It is recommended that users have prior experience with the Windows operating system, knowledge of 3D model creation/modification, and an understanding of the CNC milling process.

## Learning Guide Contents

### Milling Prismatic Parts

- Use Case Objectives
- Mill and Lathe (Turn) Programming without CAD data
- Mill and Lathe (Turn) Programming with CAD data

### Milling Freeform Surfaces

- Use Case Objectives
- Mill and Lathe (Turn) Programming with CAD data
- 3D and 5-Axis Programming

### Turn/Mill Cylindrical Parts

- Mill and Lathe (Turn) Programming without CAD data
- Mill and Lathe (Turn) Programming with CAD data
- 3D and 5-Axis Programming

### Machining Attributes Setup

- Mill Settings
- Turn Settings

### Vise Import

- Import Vise Add-in

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## Cancellation Policy

The following cancellation policy shall apply to all training engagements, LIVE Online, Consulting Services and Dedicated/Custom Training:

- Company reserves the right to reschedule or cancel the date, time and location of its class at any time. In the event that a Training Class is cancelled by Company, Customer is entitled to a full refund. Company shall not be responsible for any other loss incurred by Customer as a result of a cancellation or reschedule.
- For Customer cancellations when written notice is received (i) at least ten (10) business days in advance of the class, the Customer is entitled to a full refund of its payment or reschedule enrollment, (ii) less than ten (10) business days, Customer shall not be entitled to a refund, but shall receive a class credit to be used within three (3) months of the date of the original class.
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