



## Mastercam Transition: V9 to X5

### Course Description

The Mastercam University Mastercam Transition: V9 to X5 course provides the training that will allow you to start using Mastercam X5 quickly and efficiently. This course is designed for one student, but allows the lectures to be viewed by others.

### Course Objectives

Upon completion, you should be confident in working on the Mastercam X platform:

#### V9 to X Comparison

- Commands
- Hot keys to live entities
- Ribbon Bar commands
- Trim, Break, and Fillet
- Transform
- Basic solids

#### Interface

- Interface changes
- Coordinate input
- General Selection ribbon bar
- Most recently used tool bar
- Quick Mask functions
- Status Bar
- Machine Definition

#### Toolpaths

- Chaining geometry
- Machine types
- Basic Contour
- Operation items
- Dialog Comparisons
- 2D High Speed Toolpaths
- Operations Manager
- G-Code

#### Feature Based Machining (FBM)

- Opening a Parasolid file
- FBM mill
- Feature detection options
- Setting FBM options
- Evaluating the toolpaths
- FBM drill
- Verify

#### Feature Based Drilling

- FBM drill
- Drilling wireframe parts
- Turning off the toolpath display
- Importing operations
- Organizing operations
- Creating a solid model of the part
- Extrude

#### High Speed Machining (HSM)

- HSM overview
- HSM parameter tree
- HSM parameters
- High speed toolpaths
- Hybrid toolpath

#### Updating Mastercam

- New files
- Updating a post processor
- Updating files

### Materials

The Mastercam Transition: V9 to X5 course requires a high speed internet connection, a computer that meets the [Mastercam System Requirements](#), and the Mastercam Demo/Home Learning Version, which you can download at Mastercam U.

### Course Schedule

Because this course is available online, it can be taken at any time and at your own pace. This course requires approximately twenty hours to complete, which includes the time to complete all examples.

### Cost

The cost of the Mastercam University Mastercam Transition: V9 to X5 course is \$249.00.