

## CAM for 3-Axis Milling Professional Certification Prep

### Course Content:

#### Getting started

- Module overview
- Overview

#### Plan and set up work

- Module overview
- Analyze drawings
- Setting up stock
- Designing fixturing methods
- Performing CAM setup
- Practice exercise
- Challenge exercise

#### Machine setup

- Module overview
- Planning tools
- Planning tool holders
- Assembling tooling
- Practice exercise
- Challenge exercise

#### Programming toolpaths

- Module overview
- Determining toolpath inputs
- Optimizing toolpaths
- Applying toolpaths
- Practice exercise
- Challenge exercise

#### Verifying and simulating

- Module overview
- Validating stock removal
- Adjusting toolpaths
- Reviewing collisions
- Practice exercise
- Challenge exercise

## **Outputting code**

- Module overview
- Selecting program settings, post configurations, and properties
- Identifying critical components of a setup sheet
- Practice exercise
- Challenge Assignment

## **Inspecting parts**

- Module overview
- Using probing
- Validating parts
- Performing program prove out
- Practice exercise
- Challenge exercise