CAM Strategies for 3 Axis Milling

Course Content:

Getting started

- Module overview
- Overview

Job preparation for 3-axis milling

- Module overview
- Derived design
- Stock creation
- Fixture creation
- Tool library setup
- Practice exercise
- Challenge exercise

Toolpath creation for 3-axis milling

- Module overview
- Rough a part
- Create a 3D contour toolpath
- Create a 3D scallop toolpath
- Create a 3D scallop toolpath on a fillet
- Create a pencil toolpath
- Practice exercise
- Challenge exercise

Operational efficiency for 3-axis milling

- **Module overview**
- **Toolpath templates and operation reuse**
- **CAM expressions**
- **Toolpath patterns**
- **View and selections**
- **Operational states**
- **Practice exercise**
- **Challenge exercise**

Documentation and output

- **Module overview**
- **NC program**
- **Setup sheets**
- **WCS offset vs pattern**
- **Practice exercise**
- **Challenge exercise**