



## FS104: FUSION - ADVANCED MANUFACTURING EXTENSION COURSE

**Course Length** 1 Full Day or 2 Sessions

**Schedule**

1 Full Day  
9:00am - 4:00pm ET

Morning - 2 Sessions  
9:00am - 12:00pm ET

Afternoon - 2 Sessions  
1:00pm - 4:00pm ET

Evening - 2 Sessions  
5:00pm - 8:00pm ET

**Course Price** Per student, shared on-line course  
(1-on-1 & group rates available)

### Designed for

#### CNC Machining Applications:

This course is designed for experienced Fusion users who wish to utilize the advanced capabilities of CAM within the Fusion Extension.

### Prerequisites

MicroCAD course FS101  
Prior knowledge of Fusion CAD

MicroCAD course FS102  
Prior knowledge of Fusion CAM

### What you get

Students will receive MicroCAD Authorized Training courseware (a student copy is included with the training) and the knowledge to get started with Fusion.

*\*All students will earn a Certificate of Completion.*

### Notes

The course length is a guideline. Course topics and duration may be modified by the instructor based upon the knowledge and skill level of the students. All courses will be taught on the most current release, depending on availability of courseware.

### Course Plan

This Fusion Advanced Manufacturing Extension course provides you with an understanding of the added functionalities to Fusion for supporting advanced CNC Milling and Turning applications. Through a hands-on, practice-intensive curriculum, you will learn the key skills and knowledge required to use advanced CAM strategies and automation tools.

### Topics Covered

- Overview of the Autodesk Fusion Extension menu
- Automatic hole recognition & drilling (3X - multi-axis)
- Intelligent whole-part deburring strategies
- Automated part machining (3-axis steep and shallow)
- Intro to 4 and 5-axis simultaneous milling
- Intro to Multi-axis 4 and 5-axis collision avoidance
- Intro to Geometry probing
- Intro to Surface inspection

For more information, please contact our main office:

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