

**COURSE NAME : NX Manufacturing Fundamentals (NXMF)**  
**DURATION : 3 x 8hrs session**

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## **OBJECTIVES**

The **NX Manufacturing Fundamentals** course is designed to expedite the student learning experience in the generation of tool paths for 2 ½ - 3-axis milling and drilling applications. The class utilizes CAM Express for CAM setup and assembly creation. CAM Express templates are utilized to aid in operation creation. As with each course developed and taught by Siemens PLM Software professionals, this class reinforces Siemens PLM's intimate knowledge of software's developments and instructs the students based on the underlying principles incorporated within the NX product suite.

## **WHO SHOULD ATTEND**

This course is intended for all NX users including:

- manufacturing engineers
- process planners
- CAD/CAM managers
- System managers
- NC/CNC programmer

## **PRE-REQUISITES**

- The student should have attended the “Essentials for NX Designers (NXED)”
- Knowledge of manual NC/CNC programming methods and machinery
- A thorough understanding of NC/CNC programming principles,

## **COURSE SYLLABUS**

- Introduction and Overview
- User Interface
- Operation Navigator
- Machine Coordinate System
- Tooling
- Visualization/Verification
- Post Processing/Shop Documentation
- Planar/Cavity Milling
- Drilling
- Face Milling
- Text Engraving



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