NX Manufacturing Fundamentals

Course Code: TR11021
User level: Intermediate
Duration: 3 Days

The NX Manufacturing Fundamentals course is designed to expedite the student learning experience in the generation of tool paths for 2 and 3-axis milling and drilling applications. 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
Manufacturing engineers, Process planners, CAD/ CAM managers, system managers, NC/ CNC programmer, CAM Express users

Prerequisites
Required courses:
- Basic Design (TR10053-TC)

Other recommended courses:
- Essentials for NX Designers (TR10051)
- CAM Express Users: You must first complete the self-paced tutorials supplied with CAM Express prior to attending the Manufacturing Fundamentals course.
- Essentials for NX Designers (TR10051) is for non CAM Express users
- Knowledge of manual NC/CNC programming methods and machinery
- A thorough understanding of NC/CNC programming principles,
- And have some knowledge of NX (non CAM Express users)

Provided Course Materials
Student Guide, Activity Material
Primary Course Topics

- Introduction and Overview
- Part analysis for manufacturing
- User Interface
- Operation Navigator
- Machine Coordinate System
- Tooling
- Visualization/Verification
- Post Processing/Shop Documentation
- Planar/Cavity Milling
- Drilling
- Fixed Contour Area Milling
- Face Milling
- Text Engraving