

Siemens NX® Line Designer Training

COURSE CONTENT

GET IN TOUCH



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About Multisoft

Train yourself with the best and develop valuable in-demand skills with Multisoft Systems. A leading certification training provider, Multisoft collaborates with top technologies to bring world-class one-on-one and certification trainings. With the goal to empower professionals and business across the globe, we offer more than 1500 training courses, which are delivered by Multisoft's global subject matter experts. We offer tailored corporate training; project Based Training, comprehensive learning solution with lifetime e-learning access, after training support and globally recognized training certificates.

About Course

Siemens NX® Line Designer Training by Multisoft Systems is a specialized program designed to equip professionals with advanced skills in digital manufacturing and production line planning. This training focuses on enabling learners to design, simulate, and optimize complex manufacturing layouts using the powerful capabilities of Siemens NX software.

Module 1: NX Fundamentals & Sketching

- ✓ Launch Siemens NX within Teamcenter environment
- ✓ Overview of Teamcenter integration and data management
- ✓ Create and modify NX part files
- ✓ Navigate NX user interface and toolbars
- ✓ Introduction to sketching environment
- ✓ Create basic 2D sketches and constraints

Module 2: Sketch Modification & Basic Modeling

- ✓ Modify and edit sketches
- ✓ Create simple 3D solid models
- ✓ Apply edge blends, chamfers, and basic features
- ✓ Understand Assembly Load Options
- ✓ Open and explore existing NX assemblies
- ✓ Introduction to assembly structure

Module 3: Assembly Design & Plant Layout Basics

- ✓ Create simple assemblies in NX
- ✓ Move and position components within assemblies
- ✓ Apply assembly constraints and relationships
- ✓ Replace and manage components
- ✓ Work with reference sets
- ✓ Introduction to plant layout structure
- ✓ Add and position machinery in layout

Module 4: Equipment Integration & Layout Enhancement

- ✓ Add and modify equipment using NX Part Family
- ✓ Work with Product Template Studio (PTS) models
- ✓ Import production line designs (.dwg format)

- ✓ Integrate point cloud data (.pod format)
- ✓ Hide, isolate, and manage point cloud sections
- ✓ Position and align scanned plant data

Module 5: Connectors & Smart Components (Advanced)

- ✓ Create and manage connectors
- ✓ Add components using connectors
- ✓ Automatic positioning and constraint-based placement
- ✓ Introduction to NX Line Designer Smart Components
- ✓ Configure Smart Components for automation
- ✓ Parametric behavior and rule-based placement
- ✓ Automating repetitive layout tasks
- ✓ Best practices for efficient line design