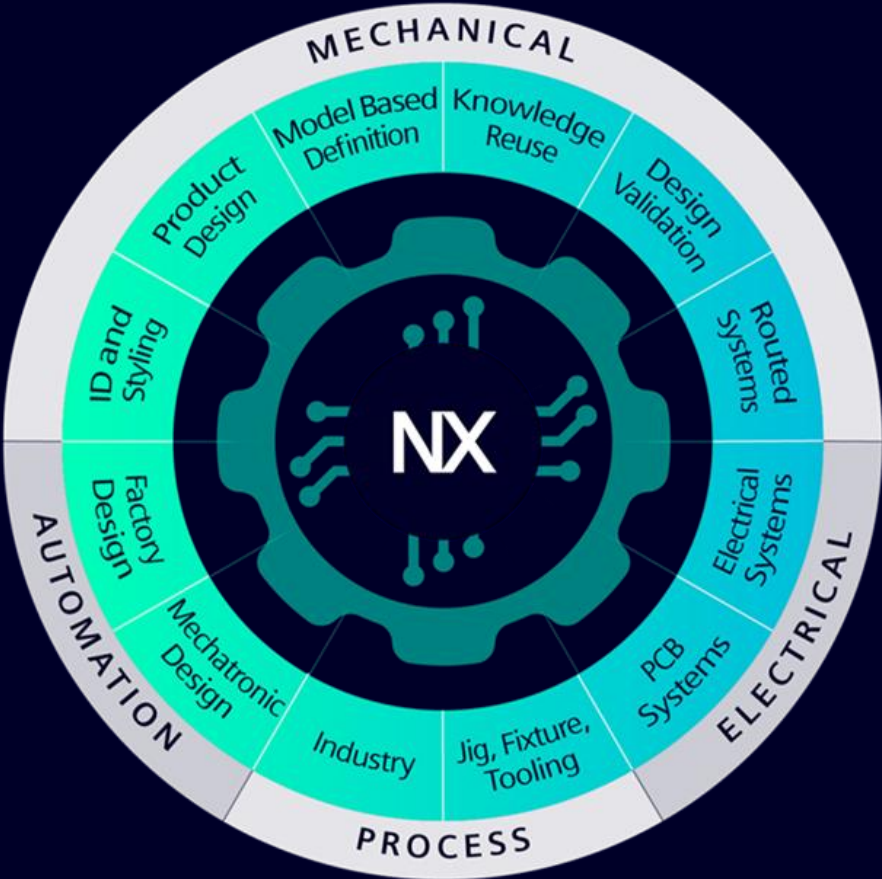


Xcelerator Academy Learning Maps

Your learning: At a Glance



Use our interactive learning maps as a guide to navigate through your content based upon your role then click on the icons throughout to learn more about your delivery options.



Select a role below



LEARN THE ESSENTIALS

Core Mechanical Designers

New users are given an overview of NX. Users will be able to open and explore part files. Complete this level by passing the NX Design Associate certification exam.

LEARN PRODUCT DESIGN

Tooling Designers

Provides Mechanical Designers the foundation they need to be successful using NX Design.

LEARN ROUTING AND WIRING DESIGN

Routed systems

Provides Routed Systems Designers the foundation they need to be successful using NX Design.

Wiring designers

Provides Wiring Designers the foundation they need to be successful using NX Design.

LEARN MOLD/DIE DESIGN

Mold / Die Designers

Provides Mold/Die Designers the foundation they need to be successful using NX Design.

GET CERTIFIED

NX Associate Certification

Choose your learning and take your exam to complete the NX Associate certification.

LEARN THE ESSENTIALS

Core Mechanical Designers

Designing Parts in NX

NX Basic Design

Product Design Fundamentals

NX Associate Certification Exam

Siemens Xcelerator Academy Certified

NX Design Certified Associate 2022

[Click for detailed certification course list](#)

LEARN PRODUCT DESIGN

Tooling Designers

Surface Modeling Processes

Documenting with Drafting

Advanced Assemblies

Sheet Metal Design

Model Based Definition using PMI

Design your Product!

LEARN ROUTING AND WIRING DESIGN NX

Routed systems/ Wiring designers

Routing Mechanical

Routing Electrical

Advanced Assemblies

Design Routing and Wiring!

LEARN MOLD/DIE DESIGN

Mold / Die Designers

Mold Wizard Fundamentals

Mold Wizard Advanced

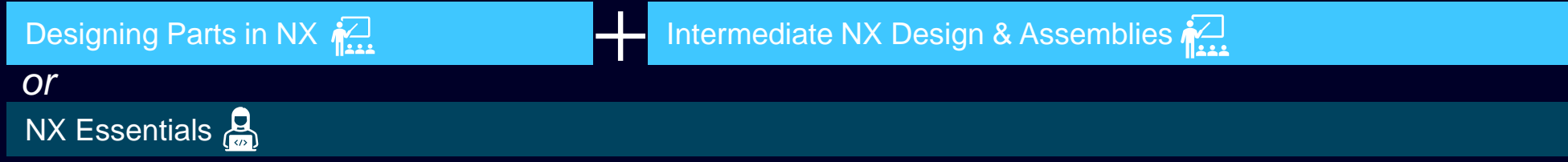
Progressive Die Wizard Fundamentals

Design for Mold/ Die!

Use NX Design!

Instructor-led training	On-demand training library	Xcelerator Academy Membership	Learning Journey	Standalone Certification Exam	<div style="border: 1px dashed black; padding: 2px; display: inline-block;">Optional</div>
**Virtual lab environment included in offer		+ Add-on vLab hours available for purchase	**Virtual lab environment included in offer		

Complete Course List: NX Core Associate Certification



13 Chapters

LEARNING PATH

NX Basic Design

In this learning path, you will explore methods for developing and editing basic solid models, assembly models, and drawings.

PREVIEW CHAPTER
Getting started in NX

- NX user interface
- Create a basic part
- Organize and display part models
- Create cylindrical parts using sketches
- Add finishing details
- Simple changes and part interrogation
- Basic part edits using synchronous
- Analyze existing assemblies
- Bottom-up assembly

8 Chapters

LEARNING PATH

Product Design Fundamentals

You will learn to determine a modeling strategy, resolve any failures that arise, and use workflows for copying, patterning, and mirroring to complete a model.

PREVIEW CHAPTER
Establish design intent

- Establish design intent
- Analyze the design and make changes
- Create parts with constant wall thickness
- Sweep geometry
- Building parts with duplicated geometry
- Create symmetric models

7 Chapters

LEARNING PATH

Molded & Cast Part Design

In this learning path, you will compare and contrast highly parametric vs. non-parametric modeling techniques.

PREVIEW CHAPTER
Add stiffening ribs to a model!

- Create molded parts
- Build basic parts using surfaces
- Build robust models
- Data translators
- Edit non-parametric models

6 Chapters

LEARNING PATH

Loading and working with assemblies

Most products are assemblies of multiple parts. In this learning path, you will learn how to add components to an assembly and edit them to fit properly.

PREVIEW CHAPTER
Create and replace reference sets

- Manage assemblies
- Configure an assembly
- Create reusable components
- View component interaction using sequencing

6 Chapters

LEARNING PATH

Design in Context of an Assembly

In this learning path, you will learn to create associative links between parts in the context of an assembly.

PREVIEW CHAPTER
Start a design using the top-down assembly method

- Top-down modeling
- Link geometry between related parts
- Create expression links between parts
- Revise assemblies