

Xcelerator Academy Learning Maps

Your learning: At a Glance





Collaboration

Connect people and processes across boundaries

Teamcenter® is the broadest and deepest PLM system available, providing a digital thread that connects people and processes across traditional functional silos.

[Teamcenter Learning →](#)

Bring your software lifecycle under control

Polarion ALM unifies the software development lifecycle with real-time management data, allowing teams to respond faster to new opportunities and demands.

[Polarion Learning →](#)





Applications

Low-code app development drives digitalization

The Mendix low-code application development platform helps developers rapidly build, deploy and operate enterprise-grade software applications.

[Mendix Learning](#) →

Coming soon!





Analytics

Connect your enterprise with the IoT

Insights Hub uses IoT solutions to optimize operations, create better products and drive new business models by connecting data from products, plants, and systems.

[Insights Hub Learning](#) →





Operations

Digitalize manufacturing operations management

Opcenter enables the complete digitalization of manufacturing operations providing users end-to-end visibility into design, production and manufacturing.

[Opcenter Learning →](#)





Manufacturing

Synchronize engineering, manufacturing and service

Tecnomatix helps transform ideas into products and achieve synchronization between product and manufacturing engineering, production, and service operations.

[Tecnomatix Learning →](#)

Digitally transform part production

NX for Manufacturing drives efficient end-to-end part manufacturing operations and delivers high-precision parts through digitalization for increased productivity and profitability.

[NX for Manufacturing →](#)





Simulation

A complete digital twin simulation solution

Simcenter™ software combines system simulation, 3D CAE, and test to help you optimize designs and deliver innovations faster and with greater confidence.

[Simcenter Learning →](#)





Electronics

Smarter products, faster

Achieve smarter, more capable products with the help of an industry-leading suite of IC, PCB and electronics design, verification and manufacturing solutions.

[Siemens EDA Learning](#) →

A comprehensive E/E systems development solution

Capital offers capabilities for the design, manufacture, and service of electrical systems and is now expanded to encompass software architectures, network communications, and embedded software development.

[Capital Learning](#) →





Mechanical

The next generation of mechanical design, simulation, and manufacturing

Siemens NX delivers the next generation of mechanical design, simulation, and manufacturing solutions to help companies develop better products, faster.

[NX Learning](#) →

Enable creative design, fast

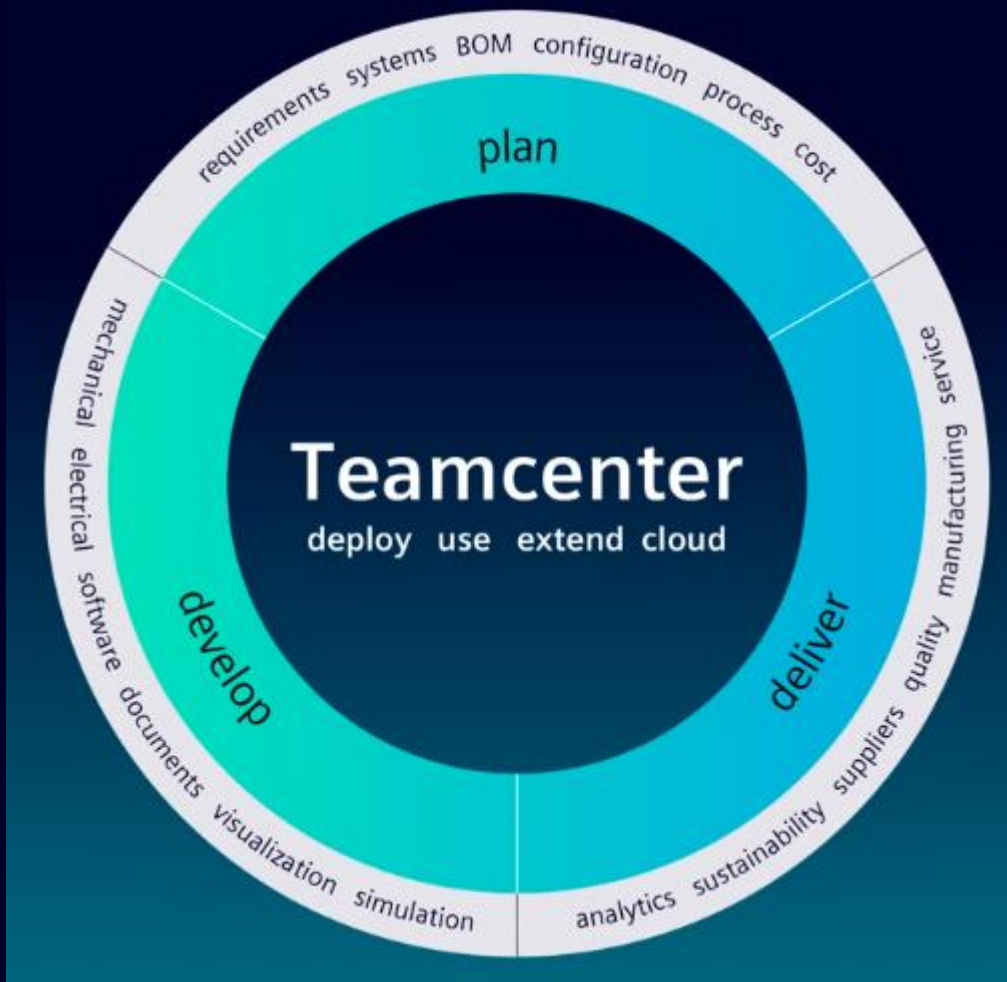
Solid Edge offers fast, flexible tools in an affordable and easy-to-use package, allowing companies of all sizes to digitalize product development.

[Solid Edge Learning](#) → **Coming soon!**



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 PLATFORM

Team Members

Learn the fundamentals of using the Teamcenter PLM Foundation Platform

INSTALL, CUSTOMIZE, OR ADMINISTER TEAMCENTER

Installers, Customizers or Administrators

Learn how to install the Teamcenter Database, Server, and Rich Client / Active Workspace, customize Teamcenter to meet business requirements or Administer Teamcenter data and processes

GET CERTIFIED

Teamcenter-Teamcenter X Associate

Learn features of Teamcenter / Teamcenter X to prepare for associate consultant certification.

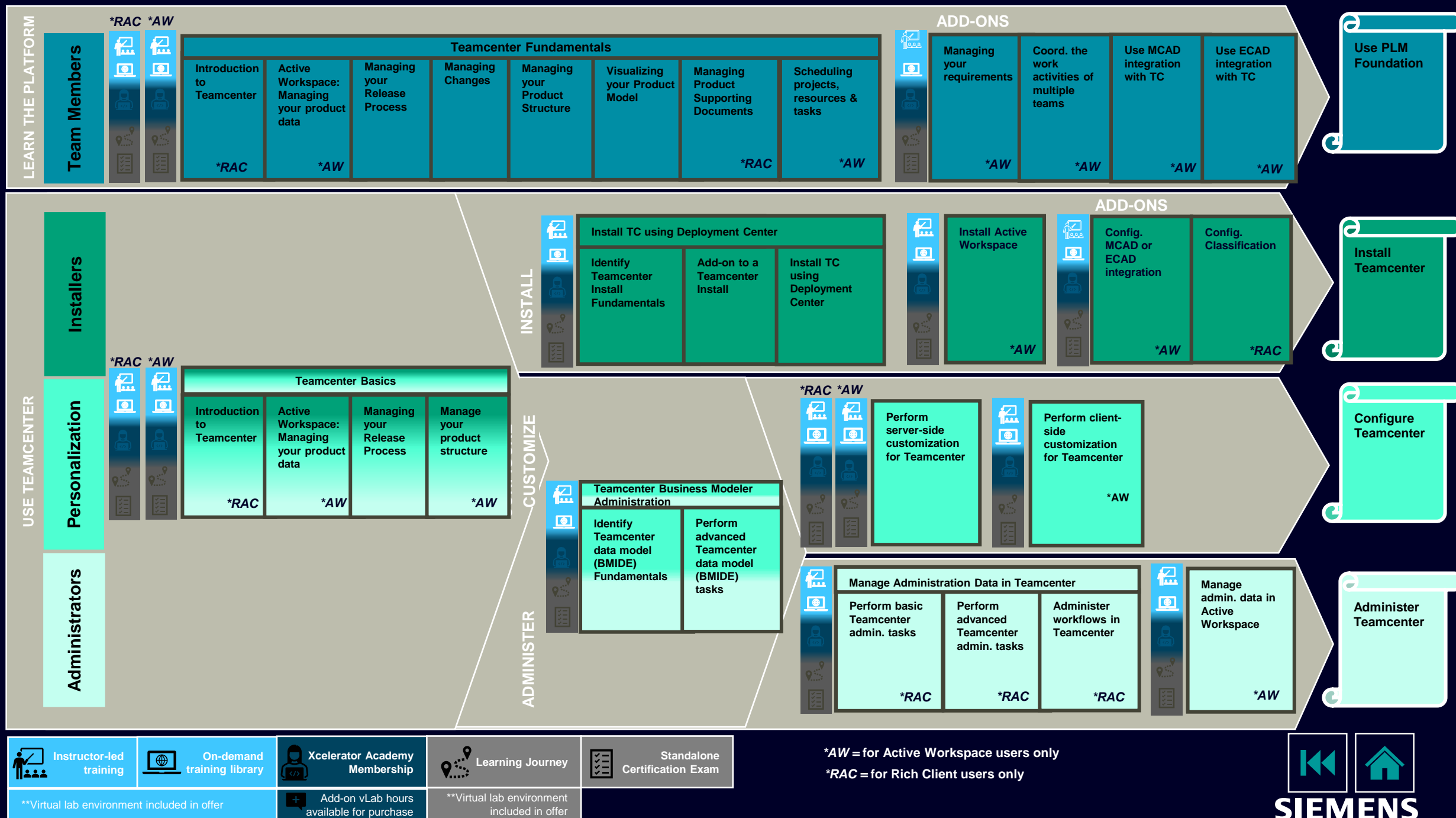
Teamcenter Product Professional

Learn features of Teamcenter / Teamcenter X to prepare for associate consultant certification.

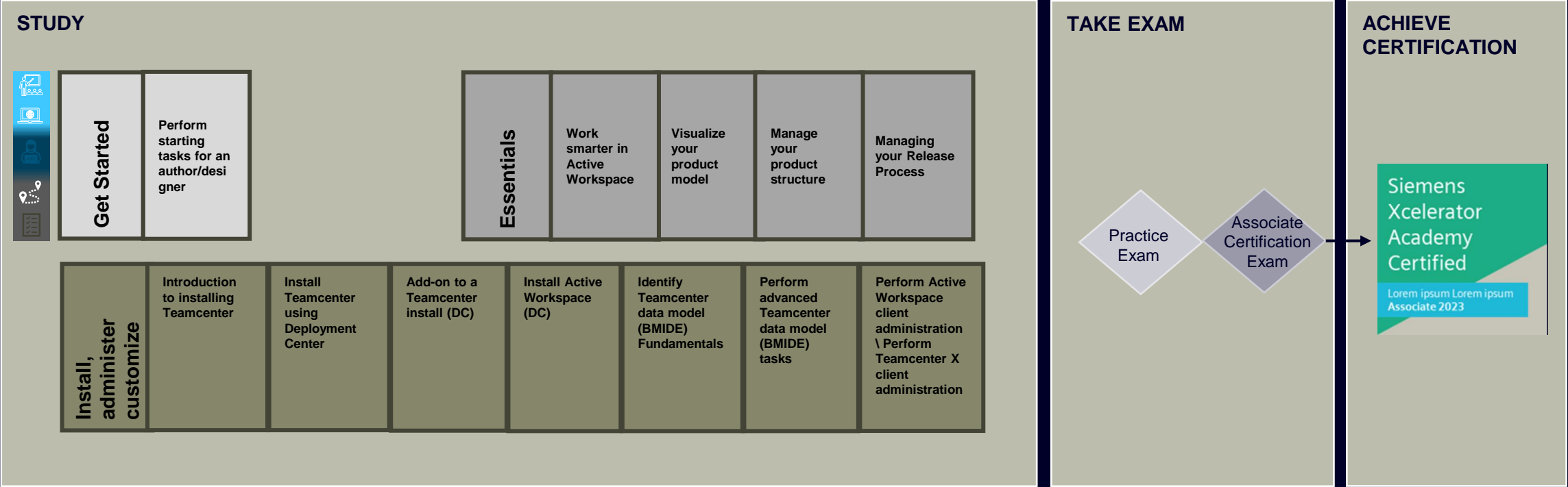


SIEMENS

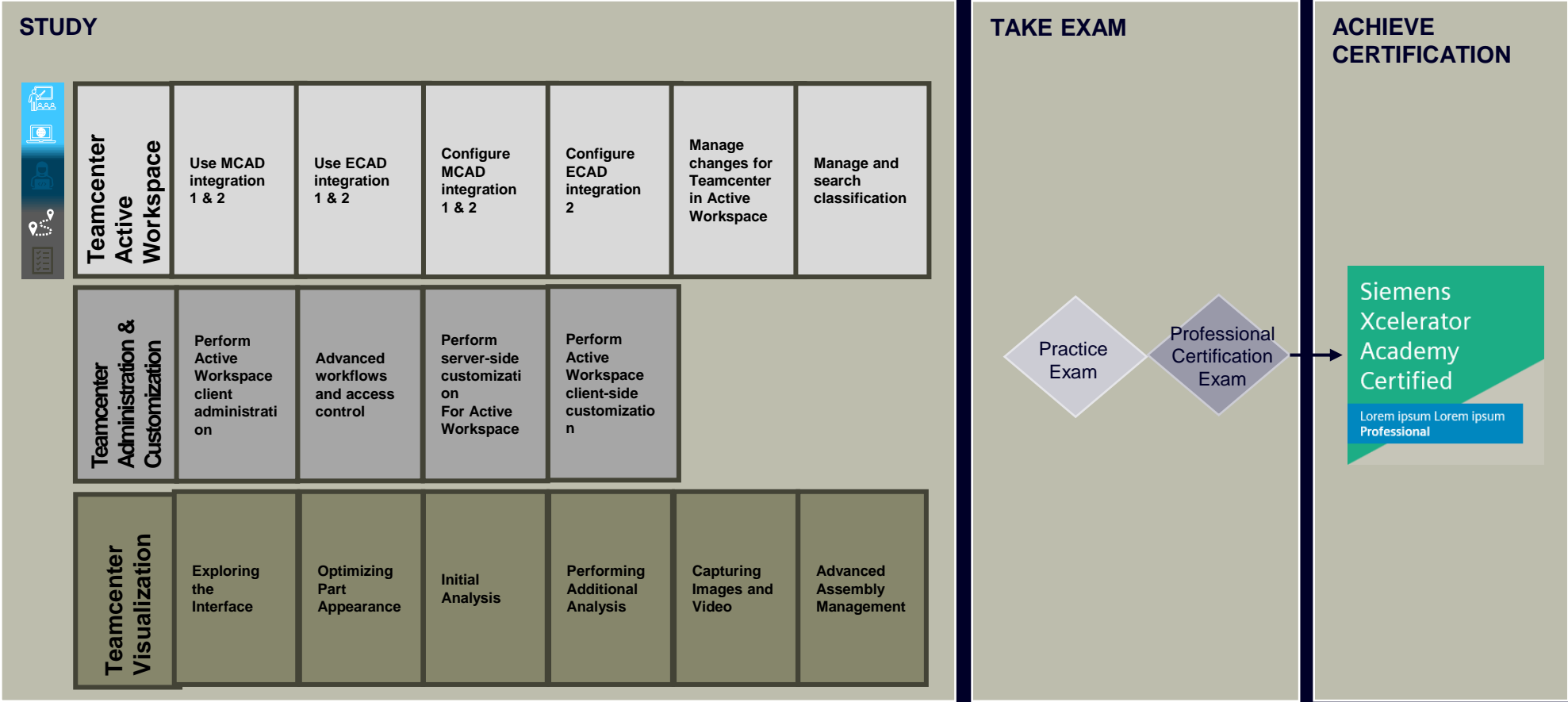
Teamcenter Learning → At a Glance



TC / TCx Associate Package Offering → At a Glance



Teamcenter Product Professional Package Offering → At a Glance

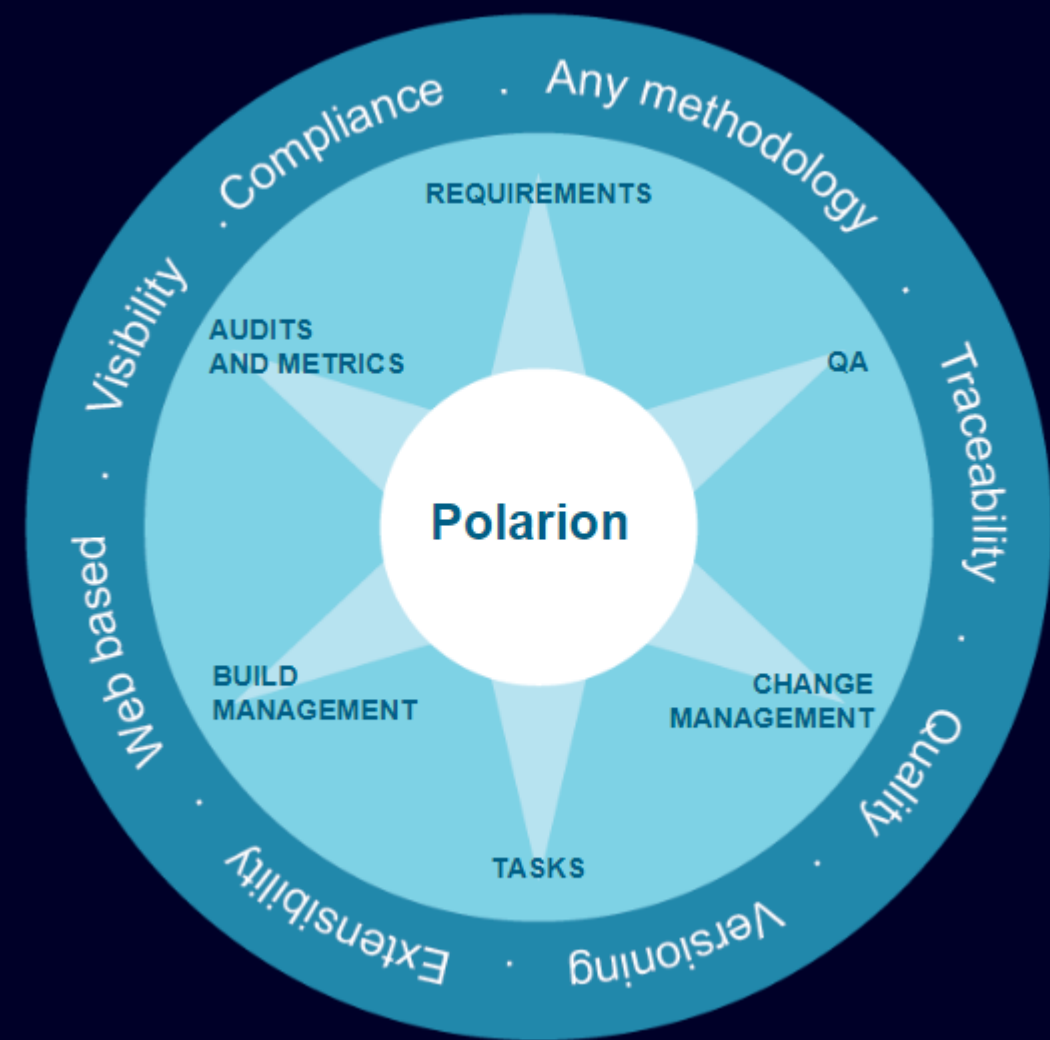


Pass the mandatory prerequisite Teamcenter-Teamcenter X Associate exam

Instructor-led training	On-demand training library	Xcelerator Academy Membership	Learning Journey	Standalone Certification Exam
**Virtual lab environment included in offer		Add-on vLab hours available for purchase	**Virtual lab environment included in offer	

Xcelerator Academy Learning Maps

Your learning: At a Glance



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Select a role below



Requirements Manager (V-model)

Learn to track and manage requirements with Polarion. Master the basic skills to navigate Polarion and work with project data.

Test Manager

Learn to track and manage test cases within Polarion QA. Plan and execute test cases and track defects found during test executions.

Administrator

Learn how to install, configure and administer Polarion.

Polarion Associate

Pass the Polarion Associate Exam to become Siemens Xcelerator Academy Certified

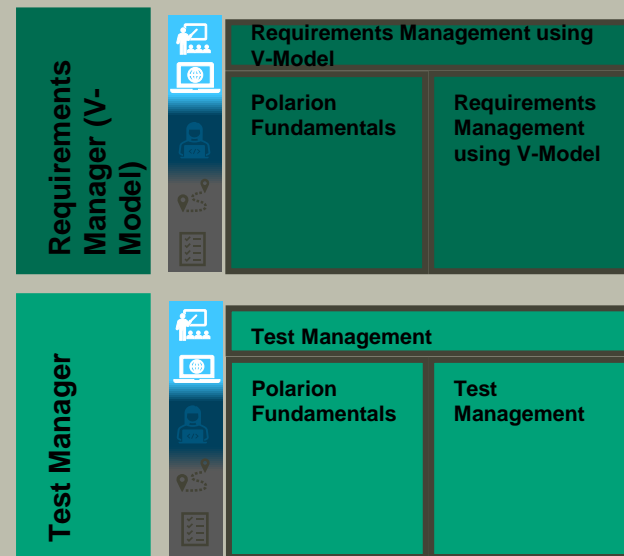
Polarion Professional

Pass the Polarion Professional Exam to become Siemens Xcelerator Academy Certified



SIEMENS

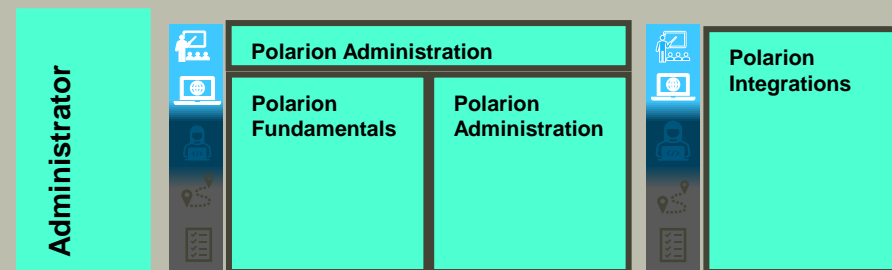
Polarion: Managing and controlling your project data









Polarion: Get Certified



Polarion: Install, configure, administer and integrations



 Instructor-led training	 On-demand training library	 Xcelerator Academy Membership	 Learning Journey	 Standalone Certification Exam
**Virtual lab environment included in offer		 Add-on vLab hours available for purchase	**Virtual lab environment included in offer	

 Instructor-led training	 On-demand training library	 Xcelerator Academy Membership
**Virtual lab environment included in offer		 Add-on vLab hours available for purchase

Complete Course List: Polarion Associate Certification

Requirements Management using V-model



Test Management



or

Polarion: Managing and controlling your project data



Pass the exam



Siemens Xcelerator Academy Certified

Lorem ipsum Lorem ipsum Associate 2023


9 Chapters

LEARNING PATH

Polarion Fundamentals


Master the basic skills to navigate Polarion and work with project data.

3 Core Pillars of Polarion ALM




Collaboration

- Collaborate on shared assets
- Control who can see what
- Control who can change what
- Control when it can be changed



Trace

- Link
- Filter
- Change
- Trace



Reuse

- Search and reuse your data
- Share artifacts between projects
- Enable product line development

PREVIEW CHAPTER

Introduction to Polarion

8 Chapters

LEARNING PATH

Requirements Management using V-Model

Define your project requirements, specifications, risks, manage their changes in the context of a V-Model process.

V-Model Process in Software

In software development, the V-Model is an extension to the waterfall model where all the development phases have a corresponding testing phase that can be done in parallel.



PREVIEW CHAPTER

V-Model Process Overview


7 Chapters

LEARNING PATH

Test Management

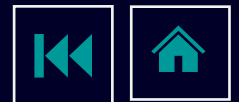
Execute test cases and track defects to validate project data.

Testing Goals and Objectives







PREVIEW CHAPTER

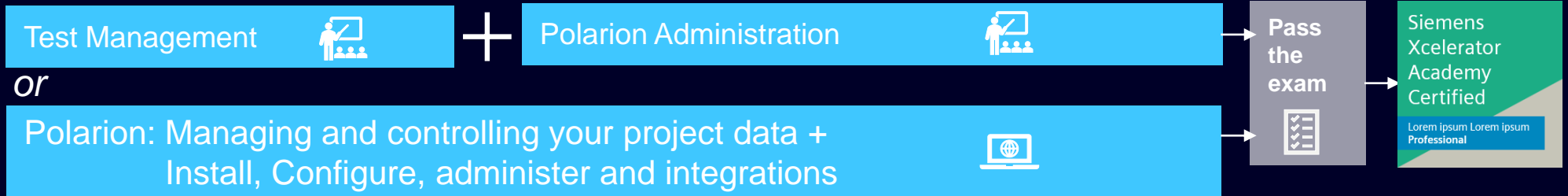
Test management Overview



SIEMENS

 Instructor-led training	 On-demand training library	 Xcelerator Academy Membership
**Virtual lab environment included in offer		 Add-on vLab hours available for purchase

Complete Course List: Polarion Professional Certification




Pass the mandatory prerequisite Polarion Associate exam

7 Chapters

LEARNING PATH

Test Management

Execute test cases and track defects to validate project data.



PREVIEW CHAPTER
Test management Overview

4 Chapters

LEARNING PATH

Polarion Reporting

Understand how the various reporting functionalities, widgets, and APIs work in Polarion.




PREVIEW CHAPTER
Polarion Reports: Overview

7 Chapters

LEARNING PATH

Polarion Integrations

Configure and administer Polarion Integrations according to customer requirements.




PREVIEW CHAPTER
Polarion Integration with Jira Overview

12 Chapters

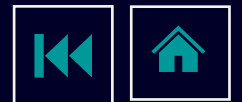
LEARNING PATH

Polarion Administration

Install, configure, and administer Polarion according to customer requirements.



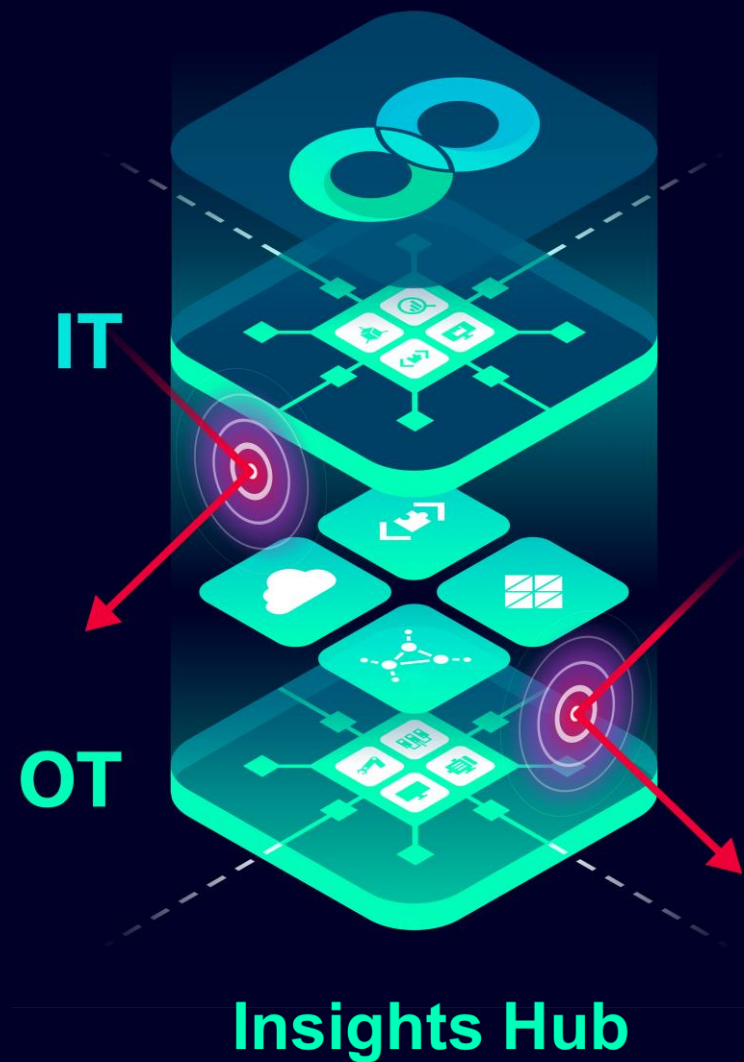
PREVIEW CHAPTER
Polarion architecture overview



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Xcelerator Academy Learning Maps

Your learning: At a Glance



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Select a role below



LEARN ESSENTIALS

Team Members

Introduces terminologies and concepts essential for the MindSphere journey.

LEARN ABOUT APP DEVELOPMENT

App Developer

Learn how to develop, register, configure, test, run and publish your MindSphere apps.

LEARN ABOUT CONNECTIVITY

Connectivity Developer

Learn how to connect devices to MindSphere

LEARN ABOUT ANALYTICS

Data Analyst

Learn how to explore various means of analyzing data in MindSphere.

GET CERTIFIED

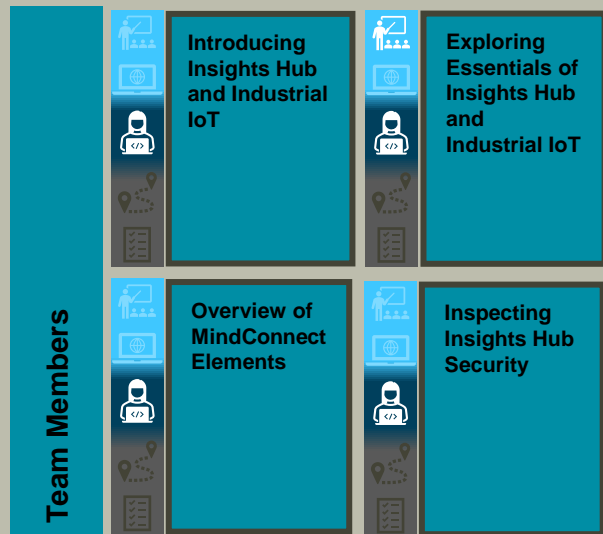
Insights Hub Associate Certification

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

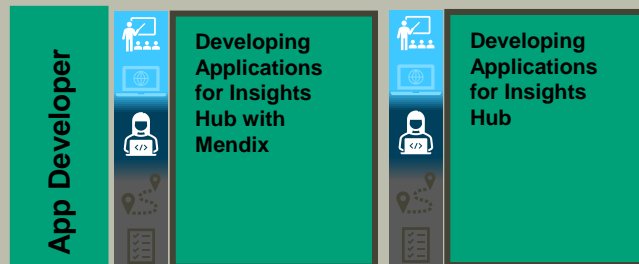


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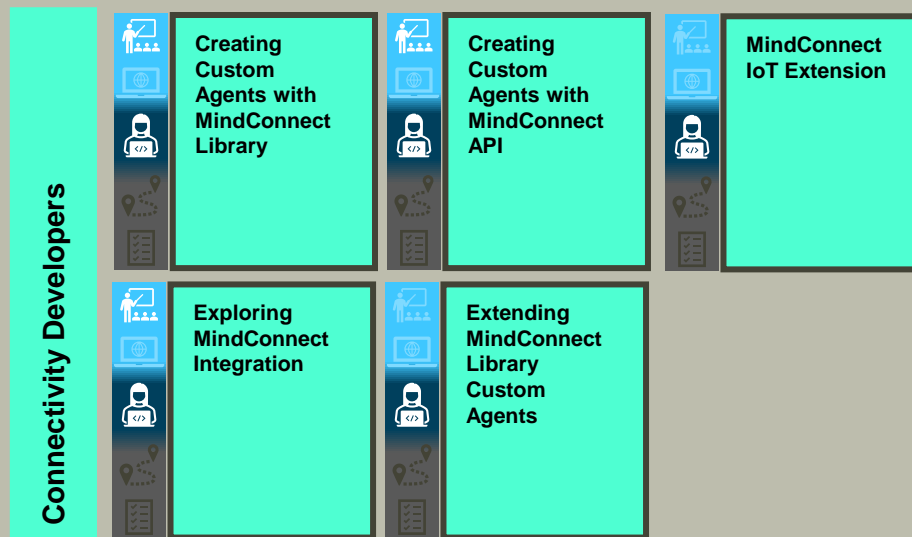
LEARN ESSENTIALS



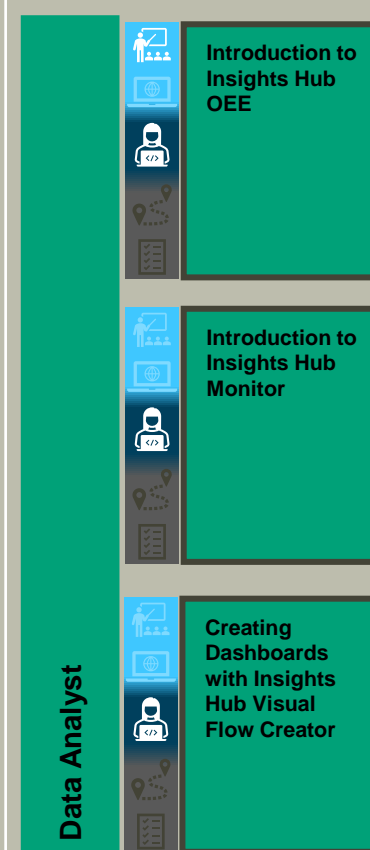
LEARN ABOUT APP DEVELOPMENT




LEARN ABOUT CONNECTIVITY

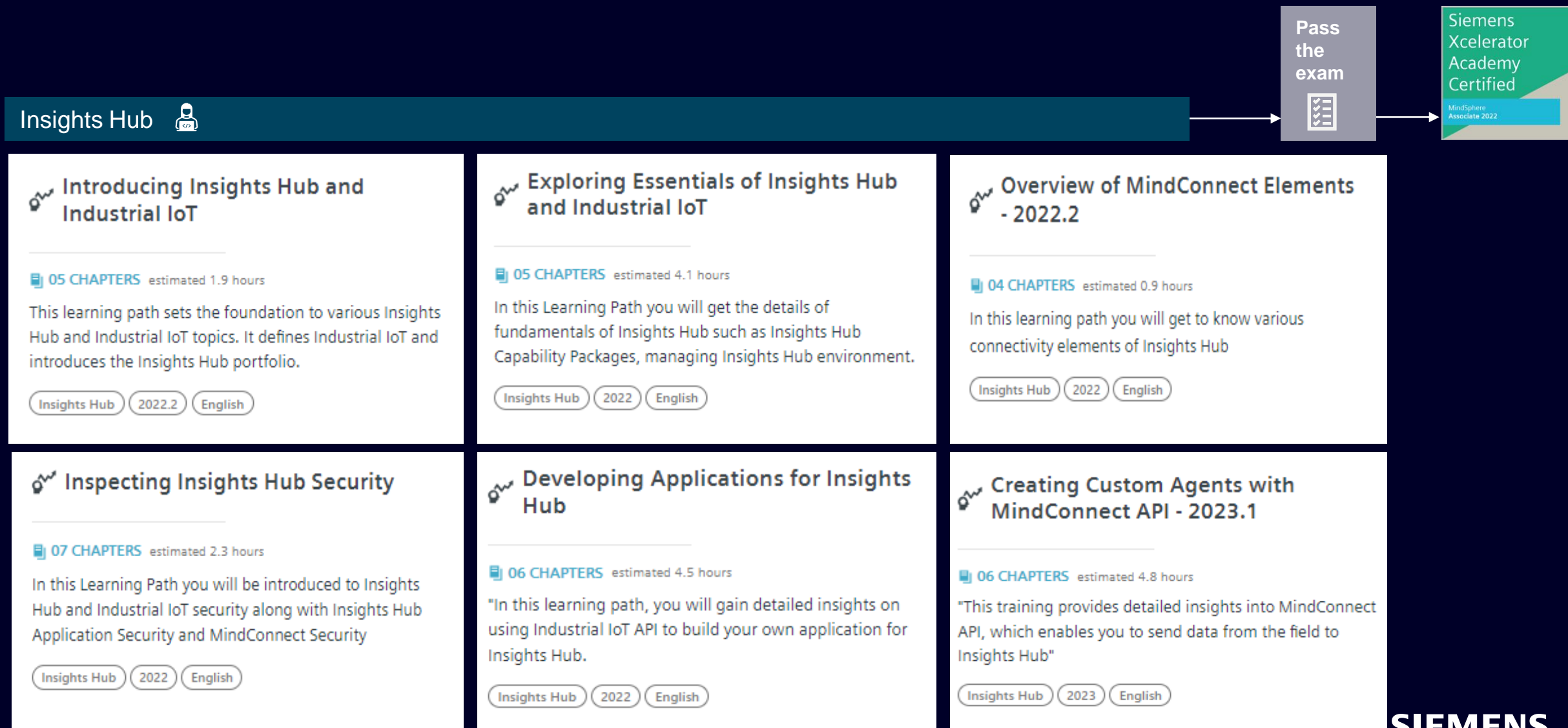


LEARN ABOUT ANALYTICS



 Instructor-led training	 On-demand training library	 Xcelerator Academy Membership	 Learning Journey	 Standalone Certification Exam	 Optional
**Virtual lab environment included in offer		Add-on vLab hours available for purchase		**Virtual lab environment included in offer	

Course List: Insights Hub Associate Certification




Xcelerator Academy Learning Maps

Your learning: At a Glance



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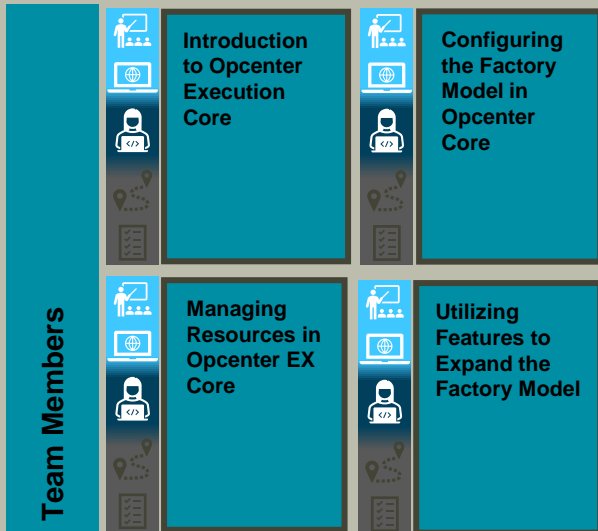
Select a role below 

LEARN THE PLATFORM	
Team Members	Learn to successfully implement the Opcenter Execution Core Product
INSTALL AND ADMINISTRATION	
Installers	Learn to install and configure the Opcenter Execution Core Product and be able to perform system administration and troubleshooting
CUSTOMIZE	
Designers /Developers	Learn to customize and extend the functionality of the Opcenter Execution Core Product.
GET CERTIFIED	
Opcenter Ex Core Associate Certification	Choose your learning and take your exam to complete the Opcenter Ex Core Associate certification.

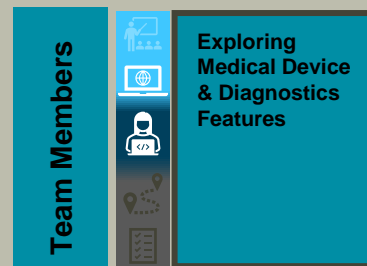


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LEARN THE PLATFORM



MEDICAL DEVICE & DIAGNOSTICS

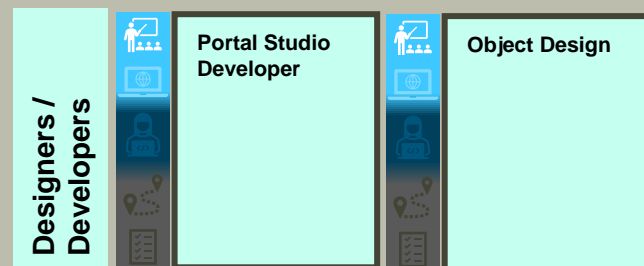


INSTALL AND ADMINISTRATION







Install to perform system administration and troubleshooting

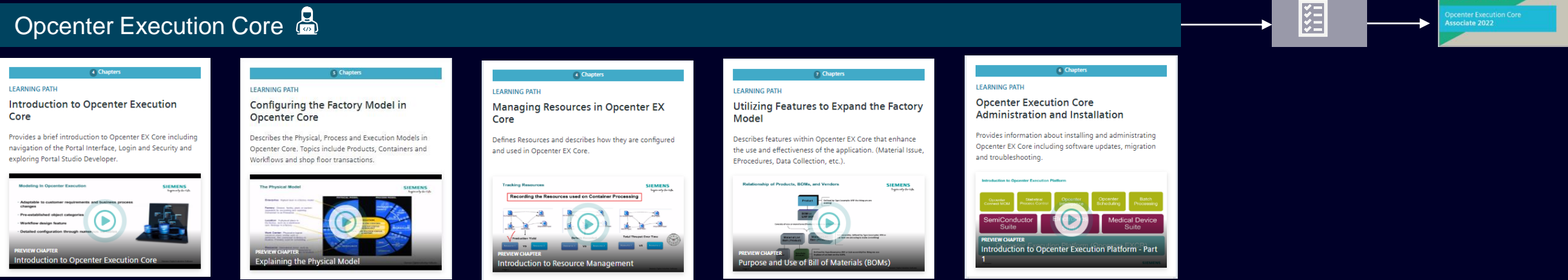
CUSTOMIZE



Customize and extend the functionality

 Instructor-led training	 On-demand training library	 Xcelerator Academy Membership	 Learning Journey	 Standalone Certification Exam	Optional
**Virtual lab environment included in offer		Add-on vLab hours available for purchase		**Virtual lab environment included in offer	

Opcenter Ex Core Associate Certification



Opcenter Execution Discrete Associate Certification



<p>2 Chapters</p> <p>LEARNING PATH</p> <p>Introduction - 2301</p> <p>In this learning path, you will get the key information about how to navigate the platform to achieve your goals and get the overview of the key software product</p>	<p>4 Chapters</p> <p>LEARNING PATH</p> <p>Opcenter Execution Discrete: Development Essentials - 2301</p> <p>In this learning path, you will discover how the manufacturing solution is built, get an overview of the main development stages, and more.</p>	<p>3 Chapters</p> <p>LEARNING PATH</p> <p>Frontend - 2301</p> <p>In this learning path you will get essential information on how to develop and deploy Low Code UI screens based on Mendix.</p>
<p>12 Chapters</p> <p>LEARNING PATH</p> <p>Opcenter Execution Discrete: Backend - 2301</p> <p>This Learning Path presents the OP EX Foundation Backend scenario and covers building, implementing and packaging functional blocks.</p>	<p>6 Chapters</p> <p>LEARNING PATH</p> <p>Foundation Apps - 2301</p> <p>This learning path provides you with information on the basic Foundation apps, which are useful to perform engineering configurations.</p>	<p>5 Chapters</p> <p>LEARNING PATH</p> <p>Extensibility for Discrete Use Case - 2301</p> <p>In this learning path you will get essential information on how to extend artifacts belonging to a Manufacturing Solution based on Opcenter Execution Discrete.</p>

Opcenter Execution Process Associate Certification



<p>2 Chapters</p> <p>LEARNING PATH</p> <p>Introduction - 2301</p> <p>In this learning path, you will get the key information about how to navigate the platform to achieve your goals and get the overview of the key software product</p>	<p>4 Chapters</p> <p>LEARNING PATH</p> <p>Opcenter Execution Process: Development Essentials - 2301</p> <p>In this learning path, you will discover how the manufacturing solution is built, get an overview of the main development stages.</p>	<p>3 Chapters</p> <p>LEARNING PATH</p> <p>Frontend - 2301</p> <p>In this learning path you will get essential information on how to develop and deploy Low Code UI screens based on Mendix.</p>
<p>12 Chapters</p> <p>LEARNING PATH</p> <p>Opcenter Execution Process: Backend - 2301</p> <p>This Learning Path presents the OP EX Foundation Backend scenario and covers building, implementing and packaging functional blocks.</p>	<p>6 Chapters</p> <p>LEARNING PATH</p> <p>Foundation Apps - 2301</p> <p>This learning path provides you with information on the basic Foundation apps, which are useful to perform engineering configurations.</p>	<p>4 Chapters</p> <p>LEARNING PATH</p> <p>Extensibility for Process - 2301</p> <p>In this learning path you will get essential information on how to extend artifacts belonging to a Manufacturing Solution based on Opcenter Execution Process.</p>

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 ABOUT TEAMCENTER QUALITY	
Team Member	Learn about the key features of Teamcenter Quality and about the structure and components of a calculation.
GET CERTIFIED	
Teamcenter Quality Associate Certification	Choose your learning and take your exam to complete the Associate certification .



SIEMENS

LEARN ABOUT TEAMCENTER QUALITY

Team Member

Introduction to Active Workspace (PLM Foundation: Active Workspace)

Manage your product structure (PLM Foundation: Active Workspace)

Manage your release processes (PLM Foundation: Active Workspace)

Introduction to Teamcenter Quality Applications

Quality Issue Management and Problem Solving in Teamcenter Quality Solution

Failure Modes and Effects Analysis (FMEA)

APQP and QAM

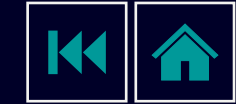
Control & Inspection plan

Teamcenter Quality Associate Certification

Siemens Xcelerator Academy Certified
Teamcenter Quality Associate 2022

Click for detailed certification course list

<div>Instructor-led training</div>	<div>On-demand training library</div>	<div>Xcelerator Academy Membership</div>	<div>Learning Journey</div>	<div>Standalone Certification Exam</div>	<div>Optional</div>
**Virtual lab environment included in offer		Add-on vLab hours available for purchase	**Virtual lab environment included in offer		



Complete Course List: Teamcenter Quality Associate Certification

Teamcenter Quality 

Pass the exam

Siemens Xcelerator Academy Certified


Teamcenter Quality Associate 2022

Chapters

LEARNING PATH

Manage your product structure in Active Workspace

Learn and perform basic capabilities working with product structures and 3D models.




PREVIEW CHAPTER
Introduction to managing product structures

Chapters

LEARNING PATH

Manage your release processes in Active Workspace

In this learning path, you initiate workflow processes, complete task assignments, and monitor workflow progress.



PREVIEW CHAPTER
Introduction to workflow processes

Chapters

LEARNING PATH

Introduction to Teamcenter Quality Applications

Introduction to key quality concepts along with TCO capabilities, interfaces, specific commands and toolbars, basic configuration, master data and report



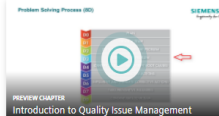
PREVIEW CHAPTER
Introduction to Teamcenter Quality

Chapters

LEARNING PATH

Quality Issue Management and Problem Solving in Teamcenter Quality Solution

Introduction to quality issue, quality action management and problem solving along with root cause analysis, improvement actions within Problem Solving.




PREVIEW CHAPTER
Introduction to Quality Issue Management

Chapters

LEARNING PATH

Failure Modes and Effects Analysis (FMEA)

Introduction to FMEA structure, Functional and failure analysis, risk analysis and optimization, result documentation within the Teamcenter Quality solution




PREVIEW CHAPTER
Introduction to FMEA

Chapters

LEARNING PATH

APQP and QAM

Introduction to Advanced Product Quality Planning (APQP) and Quality Action Management (QAM) within the Teamcenter Quality solution.



PREVIEW CHAPTER
Introduction to Advanced Product Quality Planning (APQP)

Chapters

LEARNING PATH

Control & Inspection plan

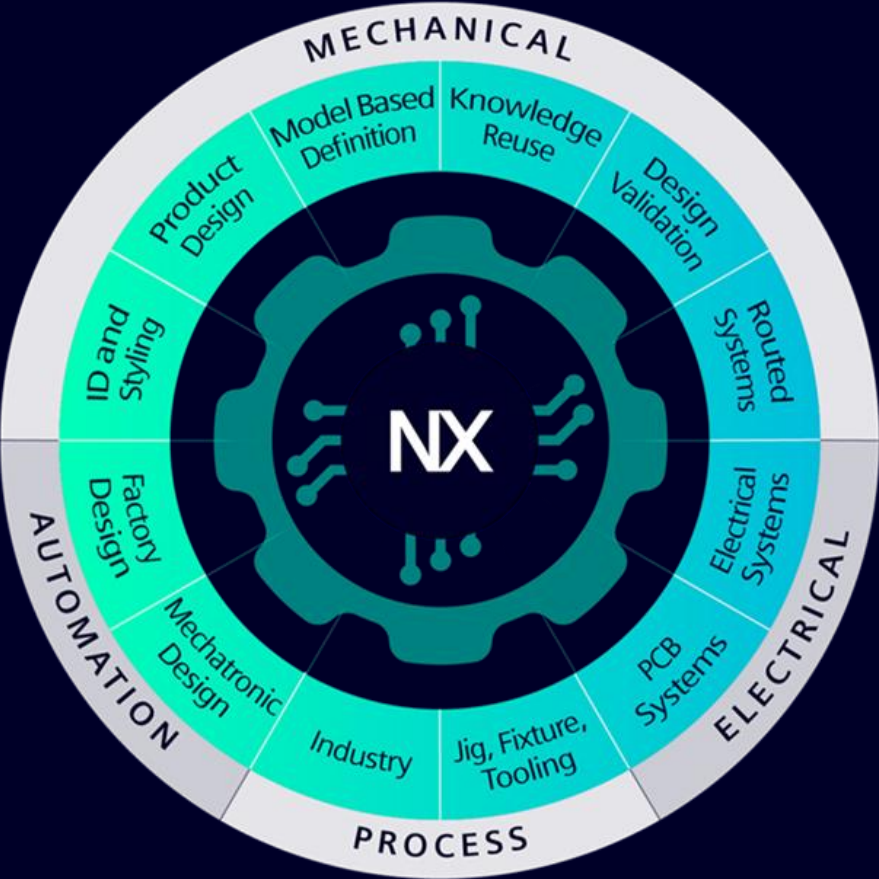
Introduction to Control and inspection planning within the Teamcenter Quality solution.



PREVIEW CHAPTER
Introduction to Control and Inspection Plan

Xcelerator Academy Learning Maps

Your learning: At a Glance



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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.

NX Professional Certification

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



SIEMENS

LEARN THE ESSENTIALS

Core Mechanical Designers

Designing Parts in NX
 NX Basic Design
 Product Design Fundamentals

Intermediate NX Design and Assemblies
 Molded & Cast Part Design
 Loading and working with assemblies
 Design in Context of an assembly

NX Associate Certification Exam
 Siemens Xcelerator Academy Certified
 NX Design Certified Associate 2022
[Click for detailed certification course list](#)

Use NX Design!

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!

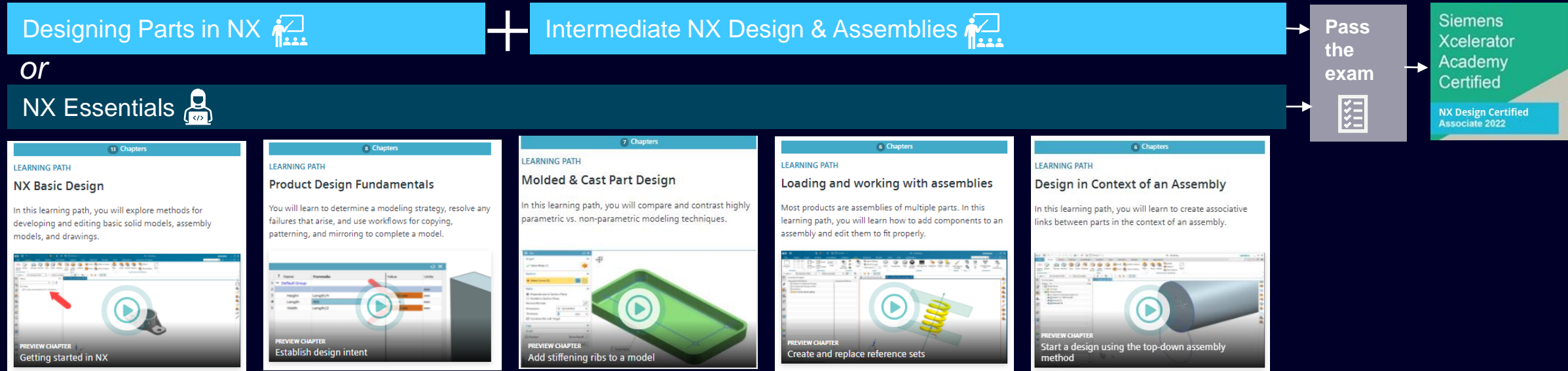
LEARN MOLD/DIE DESIGN

Mold / Die Designers
 Mold Wizard Fundamentals
 Mold Wizard Advanced
 Progressive Die Wizard Fundamentals

Design for Mold/ Die!

Instructor-led training	On-demand training library	Xcelerator Academy Membership	Learning Journey	Standalone Certification Exam	Optional
**Virtual lab environment included in offer		+ Add-on vLab hours available for purchase		**Virtual lab environment included in offer	

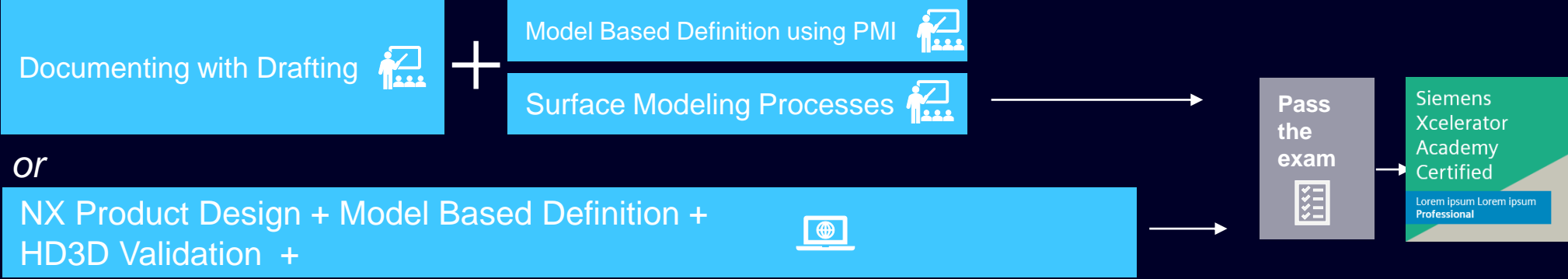
Complete Course List: NX Core Associate Certification

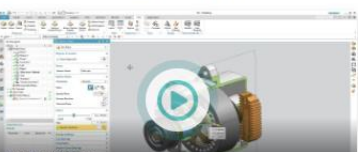



Complete Course List: NX Product Professional Certification



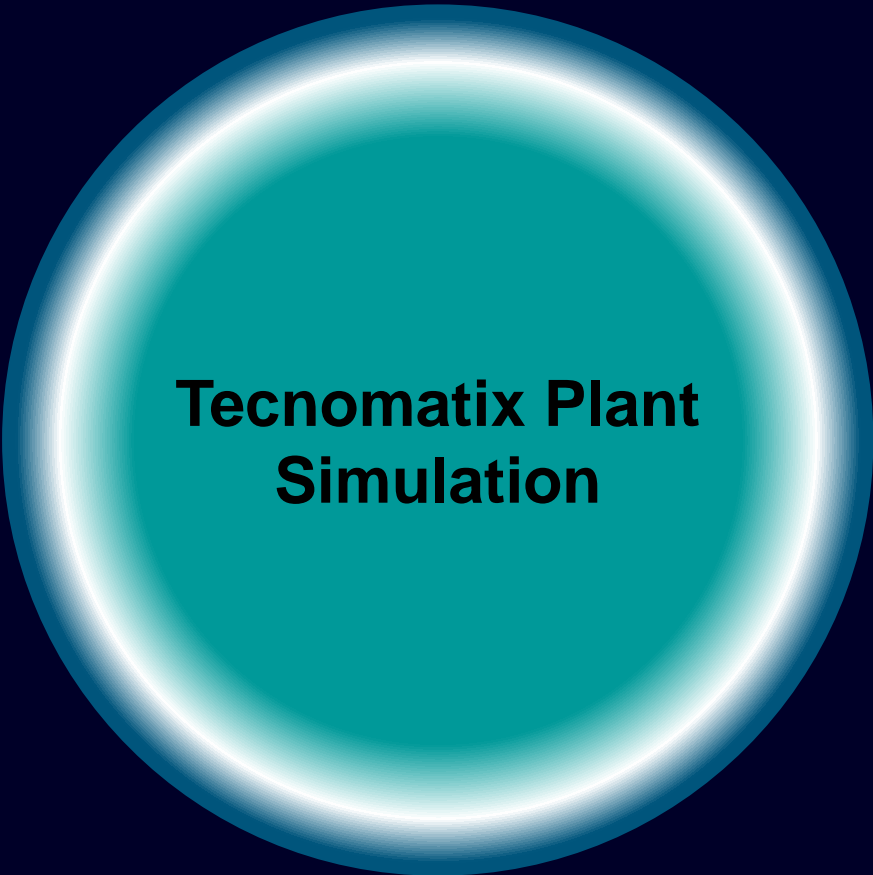
Pass the mandatory prerequisite NX Associate exam



<p>9 Chapters</p> <p>LEARNING PATH</p> <p>Documenting with Drafting - 2212</p> <p>Create standards-compliant detailed engineering drawings that are fully associated to your 3D model.</p> <p></p> <p>PREVIEW CHAPTER Create a drawing</p>	<p>13 Chapters</p> <p>LEARNING PATH</p> <p>Model Based Definition using PMI - 2212</p> <p>Learn to add text, dimensions, GD&T, and symbols to a 3D model for use by downstream applications such as tooling, manufacturing, inspection, and shipping.</p> <p></p> <p>PREVIEW CHAPTER Adding PMI section views</p>	<p>16 Chapters</p> <p>XX LABS</p> <p>NX</p> <p>NX Surface Modeling Processes - 2206</p> <p>Learn to create freeform parts that update reliably and shift smoothly to the manufacturing application.</p> <p>version 2206 English</p> <p>View Chapters</p>	<p>5 Chapters</p> <p>LEARNING PATH</p> <p>HD3D Tools and Validation - 2206</p> <p>Learn to use Visual Reports and Checkmate to analyze a model. Learn to use Design Optimization to improve the design of a model.</p> <p></p> <p>PREVIEW CHAPTER Activate and explore a visual report</p>	<p>1 Chapter</p> <p>XX LABS</p> <p>NX</p> <p>Create curves as construction geometry</p> <p>Learn to create curves as construction geometry. You will also create points and point sets associative to curve geometry.</p> <p>version 1980 English</p> <p>View Chapters</p>
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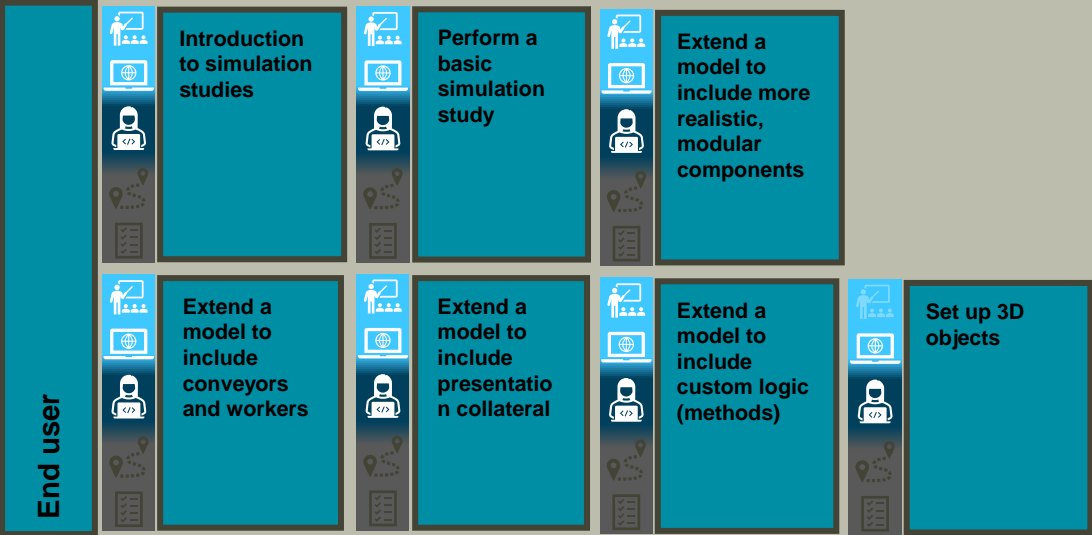


LEARN BASIC SIMULATION ENGINEER	
End user	Learn about creating Plant Simulation object flow simulations to validate the assembly process of a product.
LEARN ADVANCED SIMULATION ENGINEER	
End user	Learn advanced topics for creating more sophisticated Plant Simulation object flow simulations.
GET CERTIFIED	
Plant Simulation Associate Certification	Choose your learning and take your exam to complete the Plant Simulation Associate certification .



SIEMENS

LEARN BASIC SIMULATION ENGINEER



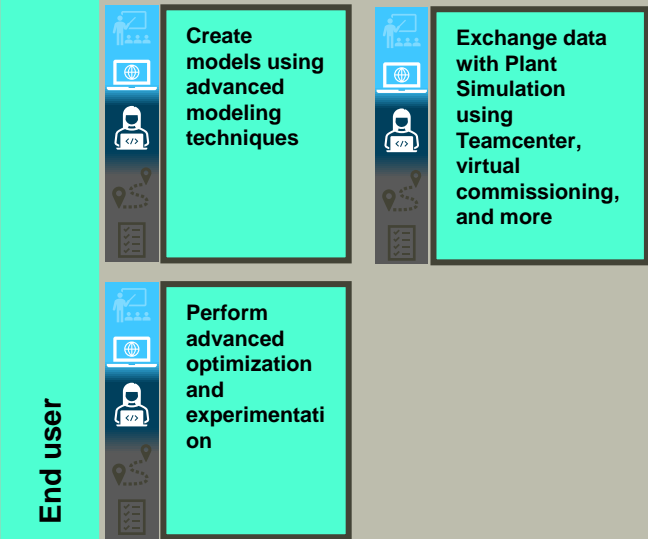
Plant Simulation Associate Certification

Siemens Xcelerator Academy Certified

Plant Simulation Associate 2022

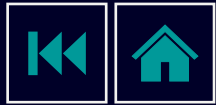
[Click for detailed certification course list](#)

LEARN ADVANCED SIMULATION ENGINEER





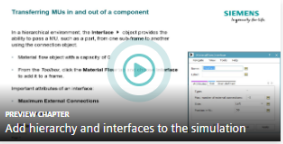
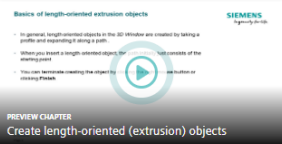
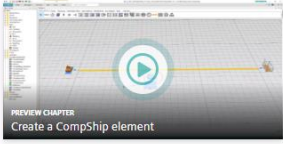

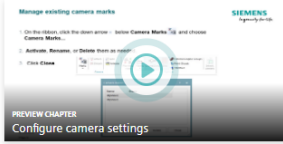
model and simulate sophisticated manufacturing environments

 Instructor-led training	 On-demand training library	 Xcelerator Academy Membership	 Learning Journey	 Standalone Certification Exam	Optional
**Virtual lab environment included in offer		Add-on vLab hours available for purchase	**Virtual lab environment included in offer		



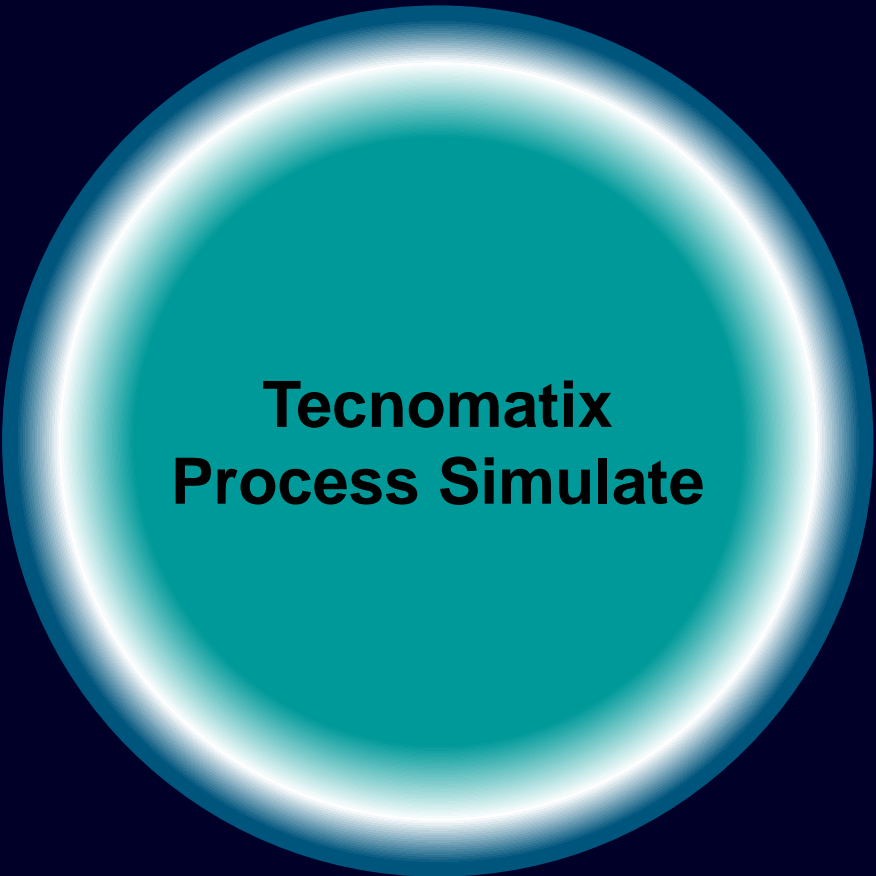
Complete Course List: Tecnomatix Plant Simulation Associate Certification



4 Chapters	4 Chapters	5 Chapters	4 Chapters	3 Chapters	6 Chapters	6 Chapters
LEARNING PATH Introduction to simulation studies In this learning path, you identify the three phases to performing a simulation study. They provide the framework that is critical to using Plant Simulation.	LEARNING PATH Perform a basic simulation study In this learning path, you apply the phases of a simulation study to make a wooden table. Other paths build add to this model to solve more complex problems.	LEARNING PATH Extend a model to include more realistic, modular components In this learning path, you extend the wooden table example by creating a hierarchical model with buffers, failure profiles, and realistic processing times.	LEARNING PATH Extend a model to include conveyors and workers In this learning path, you extend the wooden table example by creating components to convey parts for assembly and use workers.	LEARNING PATH Extend a model to include presentation collateral In this learning path, you extend the wooden table example by creating the collateral needed to present your recommendations.	LEARNING PATH Extend a model to include custom logic (methods) In this learning path, you extend the wooden table example to include methods to collect statistics, modify attributes, and read/write files.	LEARNING PATH Set up 3D objects In this learning path, you create and use cameras, create and import 3D graphics, and create a custom library of objects.
						

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

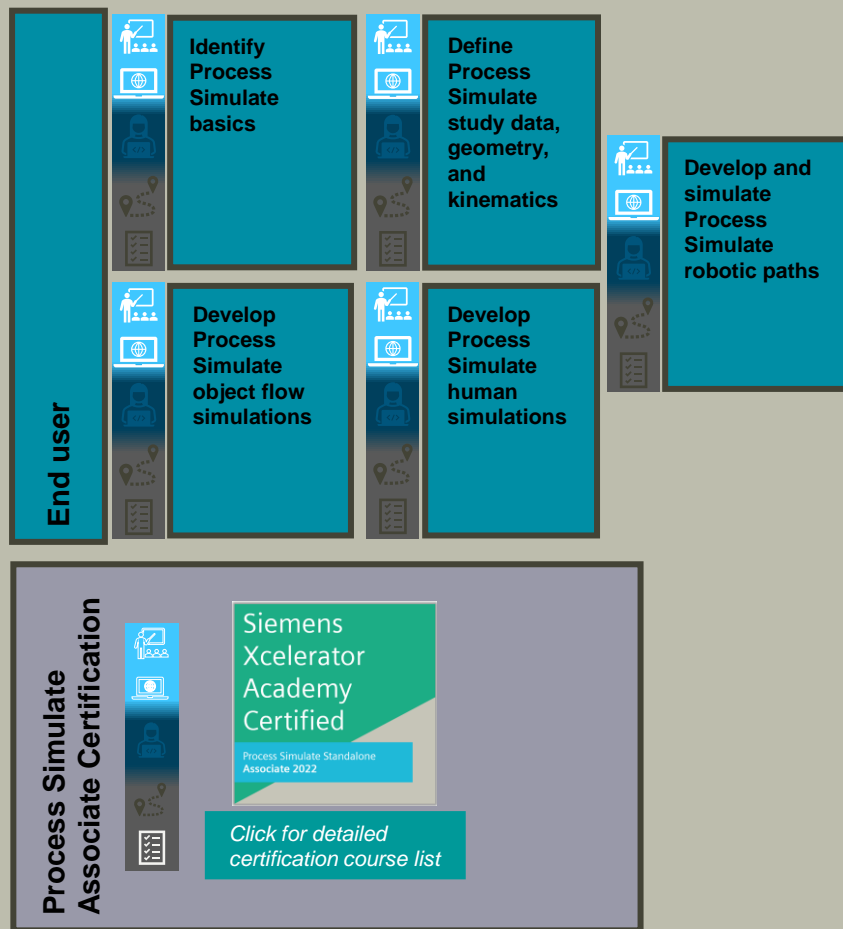


LEARN PROCESS SIMULATE ESSENTIALS	
End user	New users are given the basic skills required to work with process simulation to digitalize manufacturing processes and layouts
LEARN ABOUT OBJECT FLOW SIMULATIONS	
Digital Assembly Validation Engineer	Learn about performing Process Simulate object flow simulations to validate the assembly process of a product
LEARN ABOUT HUMAN REACH CHECKS, SIMULATIONS	
Human Simulation Engineer or Ergonomist	Learn about performing Process Simulate Human reach checks, simulations, and reports to validate the assembly process of a product
LEARN ABOUT ROBOTICS REACH CHECKS, SIMULATIONS	
Robot simulation Engineer	Learn about performing Process Simulate robotics reach checks, simulations, and off-line programming.
GET CERTIFIED	
Tecnomatix Process Simulate Associate Certification	Choose your learning and take your exam to complete the Process Simulate Standalone Associate certification.

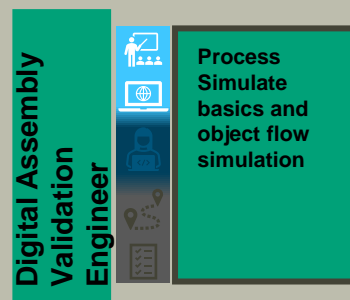


SIEMENS

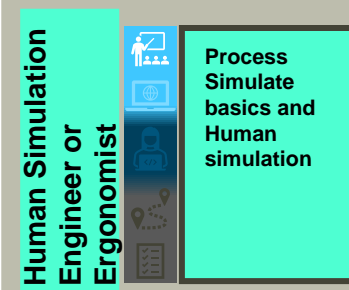
LEARN PROCESS SIMULATE ESSENTIALS



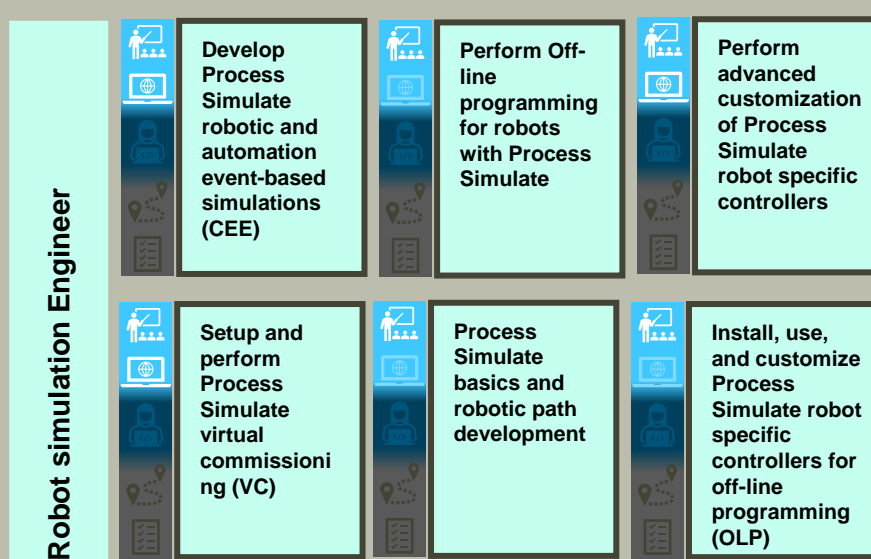
LEARN ABOUT OBJECT FLOW SIMULATIONS



LEARN ABOUT HUMAN REACH CHECKS, SIMULATIONS

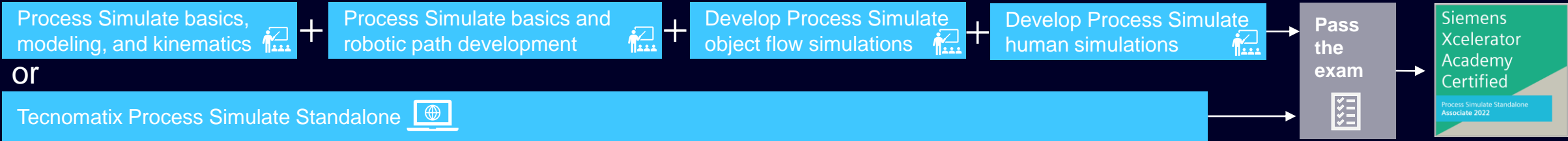


LEARN ABOUT ROBOTICS REACH CHECKS, SIMULATIONS



Instructor-led training	On-demand training library	Xcelerator Academy Membership	Learning Journey	Standalone Certification Exam	Optional
**Virtual lab environment included in offer		Add-on vLab hours available for purchase	**Virtual lab environment included in offer		

Complete Course List: Tecnomatix Process Simulate Associate Certification



7 Chapters

LEARNING PATH

Identify Process Simulate basics

In this learning path, you identify the Process Simulate basic methodology and perform basic tasks in the Graphic Viewer and tree views.

Identify Process Simulate tasks

- Basic tasks including modeling and kinematics
- Human Simulation
- Resource path simulation, PLC simulation, programming
- Part and resource flow simulation

PREVIEW CHAPTER

Identify the Process Simulate basic methodology and purpose

8 Chapters

LEARNING PATH

Develop and simulate Process Simulate robotic paths

In this learning path, you develop robotic paths for spot welding, arc welding, painting, drilling/riveting, and other types of robot applications.

Identify discrete robotic applications used in this learning path

- Spot welding applications: For example,
 - Spot welding with the weld gun application (welding, assembly or screw drill gun)
 - Paint, spot welding (spot welded) (welding, assembly or screw drill gun)
- Drilling and riveting applications: For example,
 - Drilling
 - Riveting

PREVIEW CHAPTER

Identify basic robotics concepts

9 Chapters

LEARNING PATH

Develop Process Simulate object flow simulations

In this learning path, you manually and automatically develop part and resource object flow path simulations.

Conduct Assembly Simulation for Virtual Process Verification

- Optimize the assembly process (assembly time) to the best of your ability. Reduce material waste and improve the overall process.

PREVIEW CHAPTER

Identify object flow path basics

10 Chapters

LEARNING PATH

Develop Process Simulate human simulations

In this learning path, you develop human reach studies, human simulations, assign time to operations, and perform ergonomic evaluations of worker tasks.

Human overview

- In Process Simulate you can plot both the vLab and vLab with simulated human resources (human resources) with the vLab. The vLab with simulated human resources is the vLab with simulated human resources. The vLab with simulated human resources is the vLab with simulated human resources.
- The human resources can be used in the vLab.
- If the vLab is used, the vLab can be used in the vLab.

PREVIEW CHAPTER

Identify human task simulation basics

11 Chapters

LEARNING PATH

Define Process Simulate study data, geometry, and kinematics

In this learning path, you define snapshots, markups, sections, cables, component geometry and component kinematics.

Identify the snapshot editor commands

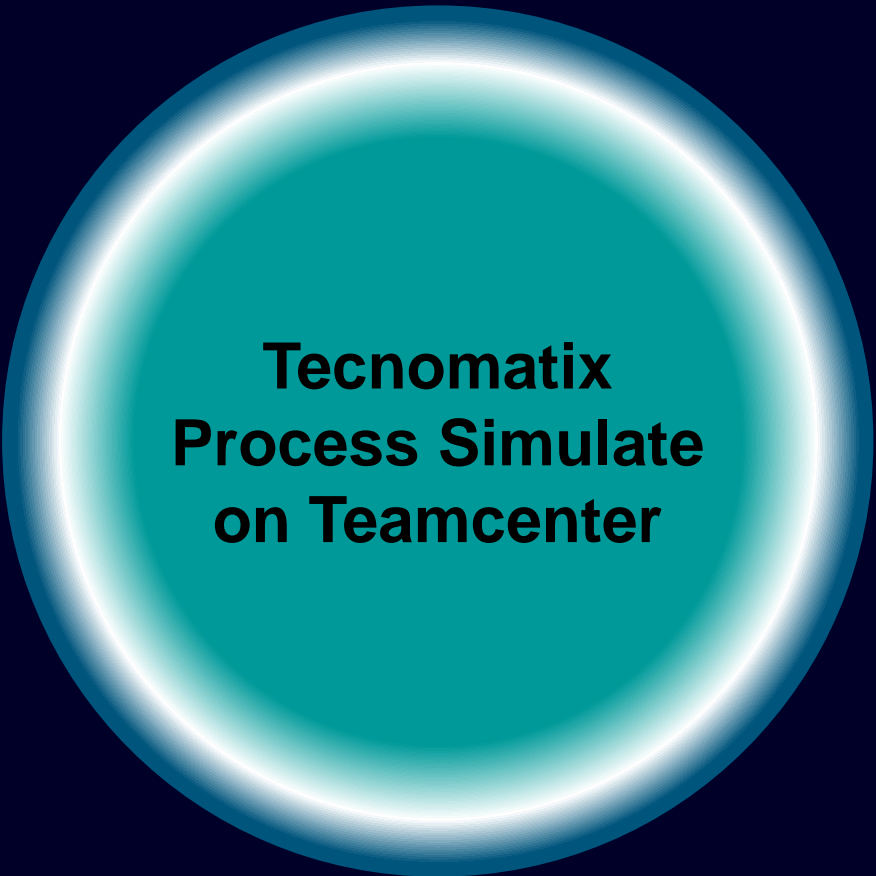
- Snapshot Editor toolbar
- New Snapshot
- Remove Snapshot
- Edit Snapshot
- Update Snapshot
- Apply Snapshot

PREVIEW CHAPTER

Create and use snapshots and the Markup Editor

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

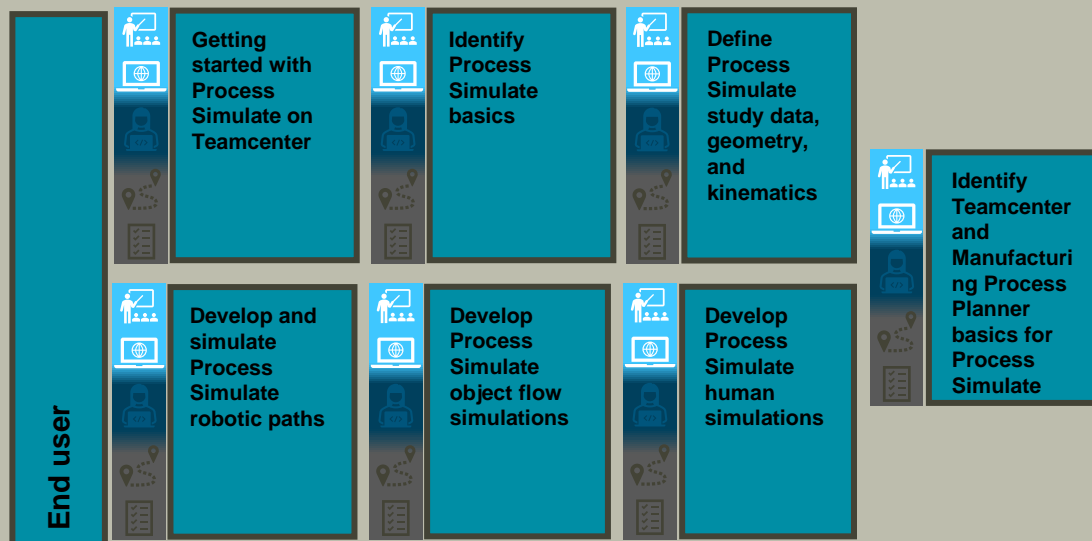


LEARN PROCESS SIMULATE ESSENTIALS	
End user	New users are given the basic skills required to work with process simulation to digitalize manufacturing processes and layouts
LEARN ABOUT OBJECT FLOW SIMULATIONS	
Digital Assembly Validation Engineer	Learn about performing Process Simulate object flow simulations to validate the assembly process of a product
LEARN ABOUT HUMAN REACH CHECKS, SIMULATIONS	
Human Simulation Engineer or Ergonomist	Learn about performing Process Simulate Human reach checks, simulations, and reports to validate the assembly process of a product
LEARN ABOUT ROBOTICS REACH CHECKS, SIMULATIONS	
Robot simulation Engineer	Learn about performing Process Simulate robotics reach checks, simulations, and off-line programming.
GET CERTIFIED	
Tecnomatix Process Simulate on Teamcenter Associate Certification	Choose your learning and take your exam to complete the Process Simulate Standalone Associate certification.



SIEMENS

LEARN PROCESS SIMULATE ESSENTIALS



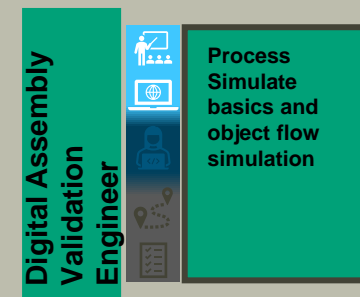
Process Simulate Associate Certification

Siemens Xcelerator Academy Certified

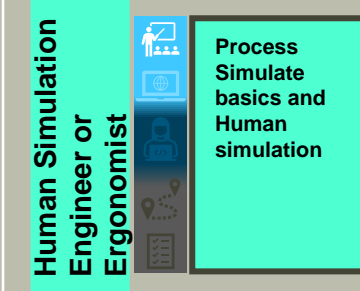
Process Simulate for Teamcenter Associate 2022

[Click for detailed certification course list](#)

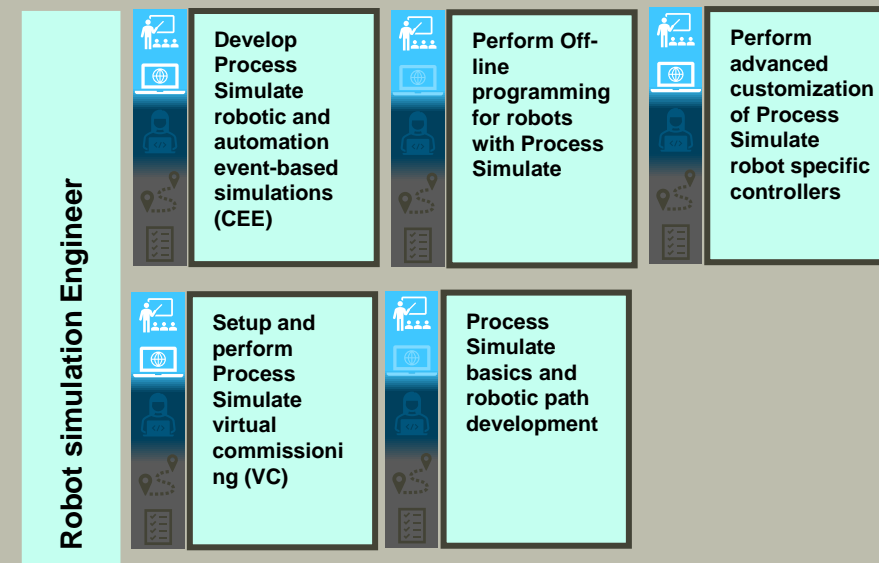
LEARN ABOUT OBJECT FLOW SIMULATIONS



LEARN ABOUT HUMAN REACH CHECKS, SIMULATIONS







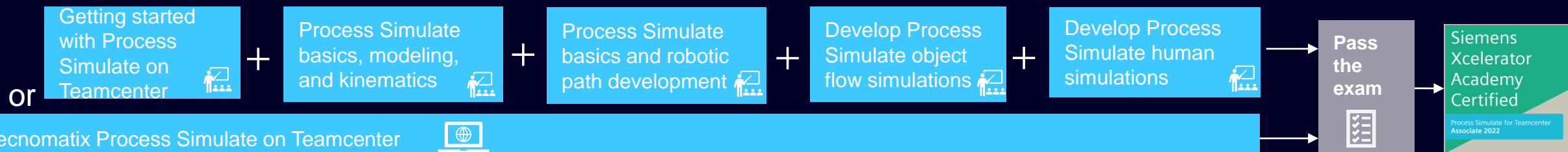
LEARN ABOUT ROBOTICS REACH CHECKS, SIMULATIONS



Instructor-led training	On-demand training library	Xcelerator Academy Membership	Learning Journey	Standalone Certification Exam	Optional
**Virtual lab environment included in offer		Add-on vLab hours available for purchase		**Virtual lab environment included in offer	

Complete Course List: Tecnomatix Process Simulate on Teamcenter Associate Certification

 Instructor-led training	 On-demand training library	 Xcelerator Academy Membership
**Virtual lab environment included in offer		 Add-on vLab hours available for purchase



1 Chapters

LEARNING PATH

Getting started with Process Simulate on TC

In this learning path, you examine the basic use case for how to create and move data between Teamcenter and Process Simulate.

Identify Process Simulate links

Human simulation

PREVIEW CHAPTER
Identify the Process Simulate basic methodology and purpose

5 Chapters

LEARNING PATH

Identify Teamcenter and Manufacturing Process Planner basics for Process Simulate users

In this learning path, you identify the Teamcenter environment, Manufacturing Process Planner environment, and create and use collaboration context objects.

Identify some Teamcenter perspectives

A perspective is a group of views, toolbars, and menus used for a specific purpose.

Some Teamcenter perspectives include:

- Teamcenter
- Manufacturing Process Planner
- Manufacturing Process Planner

PREVIEW CHAPTER
Identify basic portions of Teamcenter

6 Chapters

LEARNING PATH

Identify Process Simulate basics (PS on TC)

In this learning path, you identify the Process Simulate basic methodology and perform basic tasks in the Graphic Viewer and tree views.

Identify the Object Tree Basics

The following is a partial list of elements that can be visible in the first or second level of the structure or path tree:

- Part
- Component Part
- Resource
- Component Resource
- Robot

PREVIEW CHAPTER
Work with viewers

8 Chapters

LEARNING PATH

Develop and simulate Process Simulate robotic paths (PS on TC)

In this learning path, you develop robotic paths for spot welding, arc welding, painting, drilling/driving, and other types of robot applications.

Identify discrete robotic applications used in this learning path

Base welding applications — For example:

- Spot welding with the spot gun assembly (pneumatic or servo-actuated gun)
- Paint spot welding (Paint gun assembly)

Drilling and routing applications — For example:

- Drilling
- Routing

PREVIEW CHAPTER
Identify basic robotics concepts

7 Chapters

LEARNING PATH

Develop Process Simulate object flow simulations (PS on TC)

In this learning path, you manually and automatically develop part and resource object flow path simulations.

Conduct Assembly Simulation for Virtual Process Verification

Identify object flow path basics

13 Chapters

LEARNING PATH

Develop Process Simulate human simulations

In this learning path, you develop human reach studies, human simulations, assign time to operations, and perform ergonomic evaluations of worker tasks.

Human overview

- In Process Simulate you can create a virtual worker with defined features that have specific characteristics, such as gender, age, height, weight, and reach.
- The human figure is represented by a 3D model.
- They have anthropometric data (e.g., height, weight, reach).
- If the worker you define does not exist in the database, you can create a new worker.

PREVIEW CHAPTER
Identify human task simulation basics

6 Chapters

LEARNING PATH

Define Process Simulate study data, geometry, and kinematics (PS on TC)

In this learning path, you define snapshots, markings, sections, cables, component geometry and component kinematics.

Identify the snapshot editor commands

Snapshot Editor toolbar

- New Snapshot
- Remove Snapshot
- Edit Snapshot
- Export Snapshot
- Import Snapshot

PREVIEW CHAPTER
Create and use snapshots and the Markup Editor

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 BASICS	
Administrator	Interrogate an NX part that has been manufactured and machine a simple prismatic part.
LEARN ABOUT MANUFACTURING PARTS	
Manufacturing Engineer & Tooling Designer	Manufacture prismatic, multi-axis, lathe parts, use NX for turbomachinery, Post Process NX CAM parts.
LEARN ABOUT LINE PLANNER & ROBOTICS	
Line Planner & Machine/Robotics Programmer	Manufacture parts, set up a manufacturing line based on NX Line Planner, and use NX for Robotics.
GET CERTIFIED	
NX CAM Manufacturing Engineer Associate Certification	Choose your learning and take your exam to complete the NX CAM Manufacturing Engineer Associate certification.



SIEMENS

LEARN THE BASICS

Administrator

NX Basic Design

Managing NC Programming Data

Machining a Prismatic Part

Manufacturing Engineer

Fixed and Multi axis

Turbomachinery and other Multi-axis options

NX CAM Manufacturing Engineer Associate Certification

Siemens Xcelerator Academy Certified
NX CAM Manufacturing Engineer Associate 2022

[Click for detailed certification course list](#)

LEARN ABOUT MANUFACTURING PARTS

Manufacturing Engineer & Tooling Designer

Turning Manufacturing

Turning – Other Options

Post Configurator

LEARN ABOUT LINE PLANNER & ROBOTICS

Line Planner & Machine/Robotics Programmer

Line Designer - Native

Line Designer - Teamcenter

Other Manufacturing Options

Instructor-led training	On-demand training library	Xcelerator Academy Membership	Learning Journey	Standalone Certification Exam	Optional
**Virtual lab environment included in offer		Add-on vLab hours available for purchase		**Virtual lab environment included in offer	

Complete Course List: NX CAM Manufacturing Engineer Associate Certification

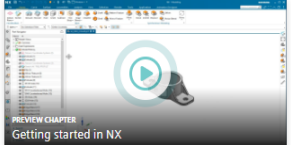


12 Chapters

LEARNING PATH

NX Basic Design (Current)

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



PREVIEW CHAPTER

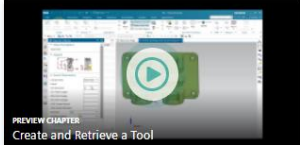
Getting started in NX

9 Chapters

LEARNING PATH

Managing NC Programming Data

Review and change data and information used to manufacture parts. Also, begin milling a basic prismatic part.



PREVIEW CHAPTER

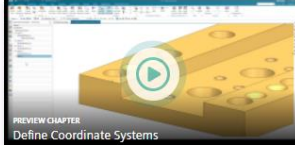
Create and Retrieve a Tool

10 Chapters

LEARNING PATH

Machining a Prismatic Part

Use varying prismatic machining methods in milling and turning operations.



PREVIEW CHAPTER

Define Coordinate Systems

7 Chapters

LEARNING PATH

Fixed-axis and Multi-axis Milling

You will learn the use of the NX Manufacturing application for creating fixed-axis and variable-axis tool paths.



PREVIEW CHAPTER


Plunge milling

9 Chapters

LEARNING PATH

Turbomachinery and other Multi-axis options

Program turbomachinery parts and learn other multi-axis options: non-cutting moves, hole machining, in process workpiece transfer and probing & generic motion.

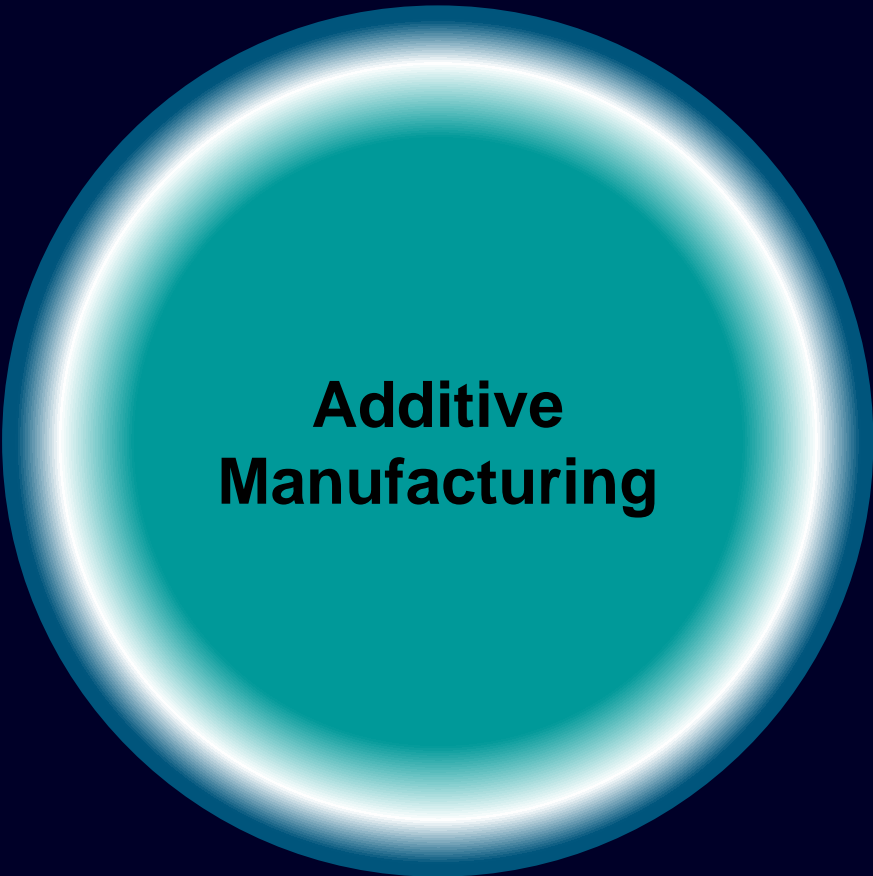


PREVIEW CHAPTER

Tool axis control in sequential milling

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

Additive Manufacturing Designer

Designed to provide additive manufacturers the foundation they need to model components intended to be additively manufactured

LEARN PLANAR ESSENTIALS

Planar (powder bed) Manufacturing Engineer

Learn how to organize build trays, provide supporting structures, develop and simulate programs for powder bed additive machines and other planar additive processes.

LEARN DEPOSITION OPERATIONS

Multi-axis Deposition Manufacturing Engineer

Provide manufacturers the foundation they need to program deposition operations in NX CAM to support additive manufacturing on various deposition machines

GET CERTIFIED

Additive Manufacturing Designer Associate Certification

Choose your learning and take your exam to complete the Additive Manufacturing Designer Associate certification.



SIEMENS

LEARN THE ESSENTIALS

Additive Manufacturing Designer

Introduction to Additive Manufacturing

Component Design for Additive Manufacturing

Polygon Modeling and Reverse Engineering

Use Additive Manufacturing Designer!

LEARN PLANAR ESSENTIALS

Planar (powder bed) Mfg. Engineer

NX Additive Manufacturing - Planar Additive

Maximizing Your Build Success with AM Build Optimizer

Additive Manufacturing Process Simulation

Learn how to simulate programs for powder bed additive machines

LEARN DEPOSITION OPERATIONS

Multi-axis Deposition Mfg. Engineer

Managing NC Programming Data

Multi-axis Additive Manufacturing

Support additive manufacturing on various deposition machines

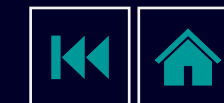
Additive Mfg. Designer Associate Certification

Siemens Xcelerator Academy Certified

Additive Manufacturing Designer Associate 2022

Click for detailed certification course list

Instructor-led training	On-demand training library	Xcelerator Academy Membership	Learning Journey	Standalone Certification Exam	Optional
**Virtual lab environment included in offer		Add-on vLab hours available for purchase	**Virtual lab environment included in offer		



SIEMENS

Course List: Additive Manufacturing Designer Associate Certification



5 Chapters

LEARNING PATH

Introduction to Additive Manufacturing

Overview of the processes and strategies associated with additive manufacturing in the context of the product development lifecycle.



PREVIEW CHAPTER
Intro to Additive Manufacturing Processes

7 Chapters

LEARNING PATH

Component Design for Additive Manufacturing

This learning path will develop skills within NX design specifically for the design of components for additive manufacturing.




PREVIEW CHAPTER
Introduction to Component Design for Additive Manufacture

7 Chapters

LEARNING PATH

Polygon Modeling and Reverse Engineering (Current)

Learn to create, modify, and improve faceted models using the NX Polygon Modeling capabilities

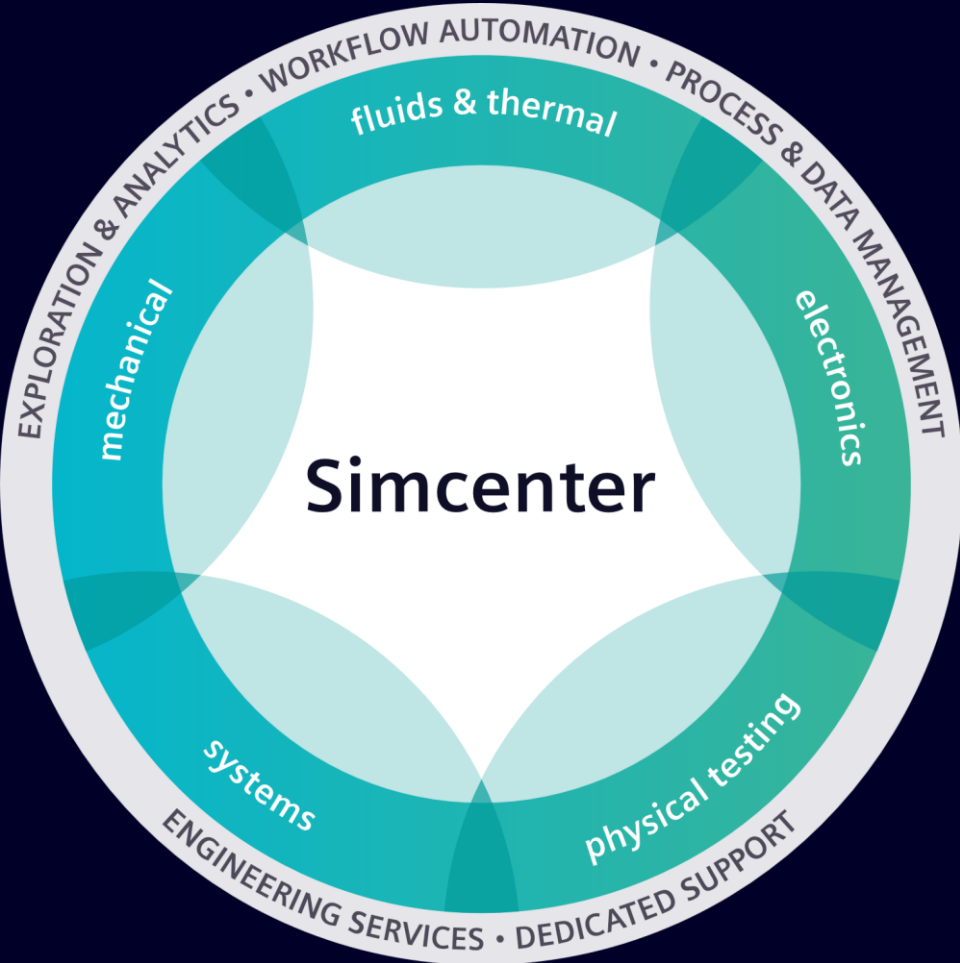


PREVIEW CHAPTER
Introduction to Polygon Modeling



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 Simcenter STAR-CCM+ FUNDAMENTALS

End user

Teaches the basic skills for a CFD simulation in Simcenter STAR-CCM+.

LEARN PROCESS AUTOMATION

End user

Teaches different techniques to automate processes in Simcenter STAR-CCM+: Templates, tags and filters, design manager or macro scripting.

GET CERTIFIED

Simcenter STAR-CCM+ Associate CFD Analyst Certification


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





SIEMENS


LEARN THE ESSENTIALS

End user


**Fundamentals in Simcenter STAR-CCM+**

**Data analysis in Simcenter STAR-CCM+**

**Efficient workflows in Simcenter STAR-CCM+**

**Heat transfer**

Simcenter STAR-CCM+ Certification Exam





Siemens Xcelerator Academy Certified
Simcenter Star-CCM+ Certified Associate 2022
[Click for detailed certification course list](#)


Complete a CFD simulation in Simcenter STAR-CCM+!

LEARN TO AUTOMATE PROCESSES







End user

**Process automation using Java scripting**

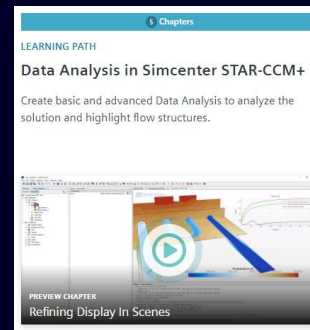
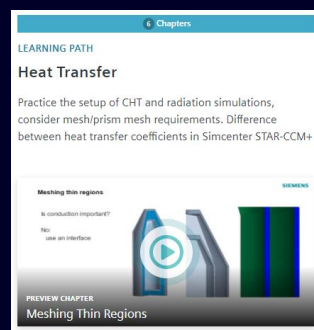
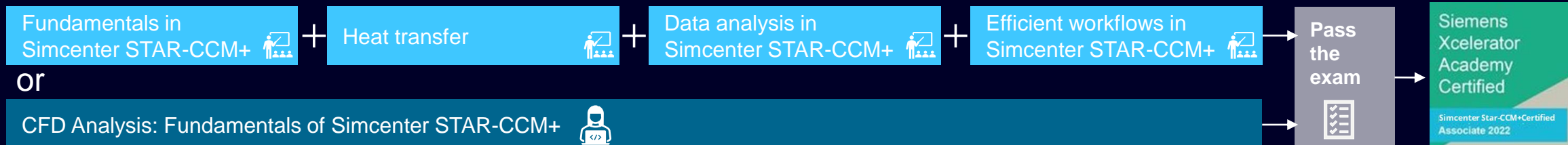
**Design Space Exploration**

**Efficient workflows in Simcenter STAR-CCM+**

Automate processes in Simcenter STAR-CCM+!

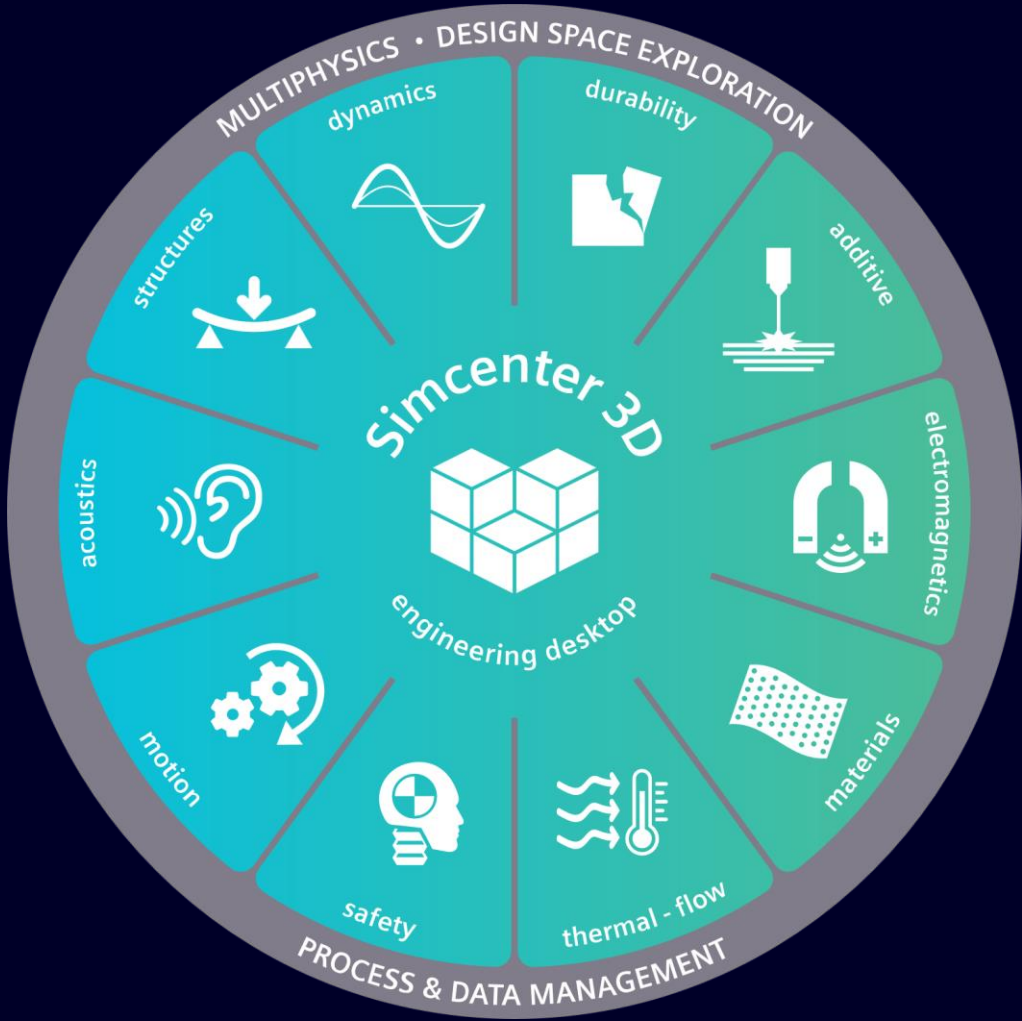
 Instructor-led training	 On-demand training library	 Xcelerator Academy Membership	 Learning Journey	 Standalone Certification Exam
**Virtual lab environment included in offer		 Add-on vLab hours available for purchase	**Virtual lab environment included in offer	

Complete Course List: Simcenter STAR-CCM+ Associate CFD Analyst Certification



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 SIMCENTER 3D PLATFORM

CAE Analyst

Teaches CAE analysts the basics of using Simcenter 3D Pre/Post (Engineering Desktop) to model, perform, and evaluate all their simulations.

LEARN SIMCENTER 3D ACOUSTICS

Acoustics Analyst

Teaches acoustics analysts how to use Simcenter 3D Acoustics to analyze acoustic models to optimize the sound quality of products.

LEARN SIMCENTER 3D MOTION

Motion Analyst

Teaches analysts, engineers, and designers how to use Simcenter 3D Motion to animate and analyze kinematic and dynamic motion mechanisms.

GET CERTIFIED

Simcenter 3D Associate Certification

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

Simcenter 3D Professional Certification

Choose your learning and take your exam to complete the Simcenter 3D Professional certification.



SIEMENS

LEARN THE ESSENTIALS

CAE Analyst

Simcenter 3D Pre/Post

Fundamentals of Using Pre/Post

Preparing the Model for Analysis

Solving the Model

Reviewing Analysis Results

Processes and Solutions

Use Simcenter 3D Platform!

Simcenter 3D Certification Exam

Siemens Xcelerator Academy Certified

Capital Logic Associate 2022

Click for detailed certification course list

LEARN SIMCENTER 3D ACOUSTICS

Acoustics Analyst

Simcenter 3D Acoustics

Working with Acoustics Models

Acoustics Analysis Applications

Optimize sound quality of products!

LEARN SIMCENTER 3D MOTION

Motion Analyst

Motion Fundamentals

Flexible Body Analysis

Discrete Drivetrain

Controls and Mechatronics Co-simulation

Analyze kinematic and dynamic motion mechanisms!

Instructor-led training	On-demand training library	Xcelerator Academy Membership	Learning Journey	Standalone Certification Exam
**Virtual lab environment included in offer		Add-on vLab hours available for purchase	**Virtual lab environment included in offer	



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 Instructor-led training	 On-demand training library	 Xcelerator Academy Membership
**Virtual lab environment included in offer		 Add-on vLab hours available for purchase

Complete Course List: Simcenter 3D Associate



5 Chapters

LEARNING PATH

Fundamentals of using Pre/Post

Learn how to analyze a model and work with analysis data in Simcenter 3D.

- Siemens 3D Engineering Desktop
- Simulation Modeling
- Multi-discipline Integration
- Openness and scalability
- Communication with the enterprise
- Knowledge capture and automation

PREVIEW CHAPTER
What Can You Do with Pre/Post?

9 Chapters

LEARNING PATH

Preparing the Model for Analysis

Learn how to prepare a model for analysis by working with geometry, meshes, connections, assemblies, loads, and boundary conditions.

PREVIEW CHAPTER
Loading a Model into Simcenter 3D

4 Chapters

LEARNING PATH

Solving the Model

Learn how to solve a model with the Simcenter Nastran solver using structural analysis types.

PREVIEW CHAPTER
Using Solutions and Subcases

6 Chapters

LEARNING PATH

Reviewing Analysis Results

Learn how to display analysis results using post views, graphs, and reports.

PREVIEW CHAPTER
Displaying Results Overview

7 Chapters

LEARNING PATH

Processes and Solutions

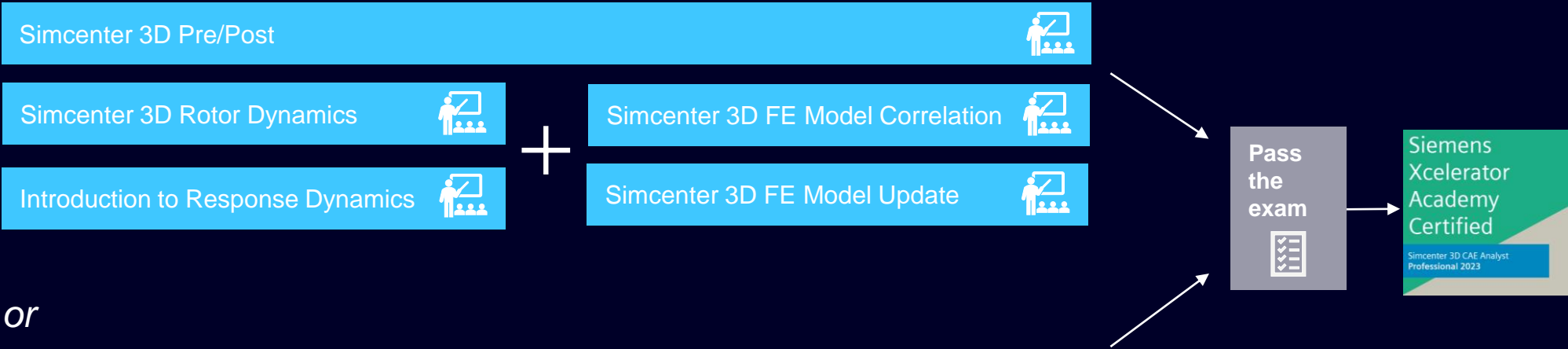
Learn how to analyze models using specialized Simcenter 3D tools.

PREVIEW CHAPTER
Refining a Mesh with Adaptive Meshing

Complete Course List: Simcenter 3D CAE Analyst Professional Certification













Pass the mandatory prerequisite
Simcenter 3D CAE Analyst Associate exam



or


Simcenter 3D 

 Processes and Solutions - 2212  07 CHAPTERS estimated 4.5 hours Learn how to analyze models using specialized Simcenter 3D tools. Simcenter 3D 2212 English	 Introduction to Response Dynamics - 2212  01 CHAPTERS estimated 2.0 hours Learn how to use response dynamics to analyze a model's response to an excitation. Simcenter 3D 2212 English	 FE Model Correlation - 2212  07 CHAPTERS estimated 7.0 hours Learn how to prepare physical tests using the pre-test planning tools and how to correlate modal finite element results with experimental data in Simcenter 3D. Simcenter 3D 2212 English	 Simcenter 3D Rotor Dynamics - 2206  07 CHAPTERS estimated 4.0 hours Learn how to model rotors and analyze the model with Complex Modal Analysis, Harmonic Response, Transient Response, and using Superelements. Simcenter 3D 2206 English	 FE Model Update - 2212  05 CHAPTERS estimated 3.8 hours You will learn the key steps of the test-simulation interaction and understand the model update solution process. You will also learn about design variables. Simcenter 3D 2212 English
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Complete Course List: Simcenter Amesim

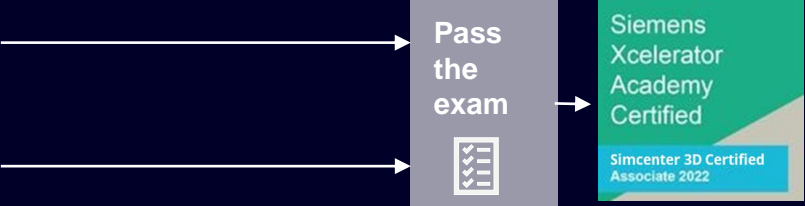
Simcenter Amesim Getting Started
+
Hydraulic System Simulation



or

Simcenter Amesim






9 Chapters

LEARNING PATH

Getting Started with Simcenter Amesim

Introduction to the Simcenter Amesim, use of the software as well as the modeling and simulation process

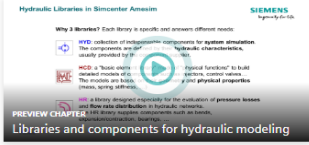


6 Chapters

LEARNING PATH

Introduction to Hydraulic System Simulation

Learn important basic hydraulic concepts, get a global view on hydraulic libraries and components, and learn how to build hydraulic models in Simcenter Amesim.

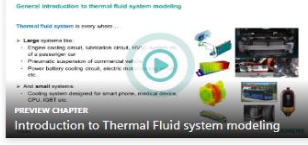


5 Chapters

LEARNING PATH

Design and Simulate Thermal Fluid Systems

Introduction to the basics of thermal systems modeling and overview of component libraries. Work through examples to understand the modeling process.



Complete Course List: Simcenter FLOTHERM & FLOTHERM XT

 Instructor-led training	 On-demand training library	 Xcelerator Academy Membership
**Virtual lab environment included in offer		 Add-on vLab hours available for purchase

Simcenter FLOTHERM XT



or

Simcenter FLOTHERM + FLOTHERM XT



Pass
the
exam




Siemens
Xcelerator
Academy
Certified

Simcenter 3D Certified
Associate 2022

12 Chapters

Simcenter Flotherm XT

 FloTHERM Introduction


This learning path will introduce you to FloTHERM by guiding you through model building, importing MCAD and EDA data, post-processing and optimization.

version 2020 English

View Chapters

10 Chapters

Simcenter Flotherm XT

 Simcenter FLOTHERM XT Introduction

This learning path will teach you how to design, build and simulate simple, to complicated electronics cooling and related models, and drawings.

version 2021 English

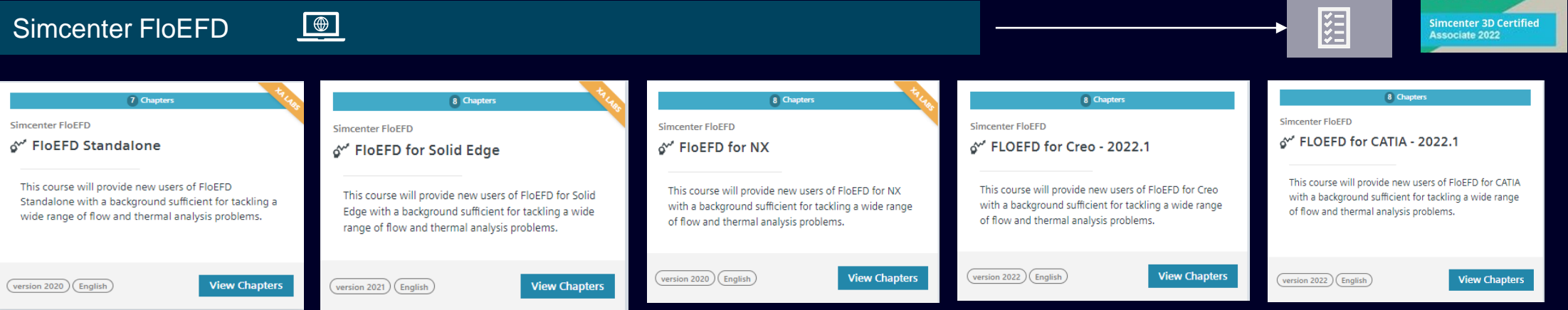
View Chapters

Please note these are two different available certifications



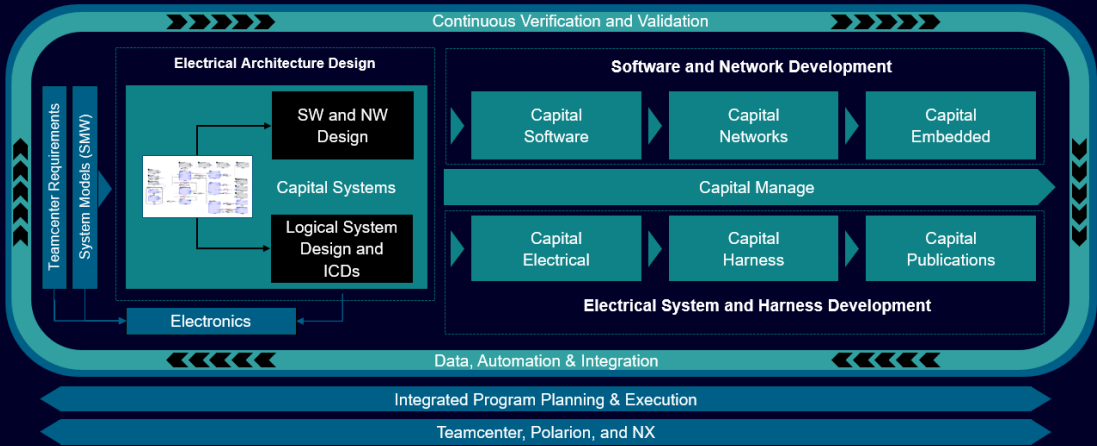
SIEMENS

Complete Course List: Simcenter FloEFD



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 CAPITAL LOGIC DESIGNER ESSENTIALS

Schematic & Wiring Designers

New users are given the basic skills required to create a systems design and a wiring diagram, followed with advanced functionality to create a more complex design.

LEARN ADVANCED CONNECTIVITY FUNCTIONALITY

Schematic or Wiring Designer, or Administrator

Extended learning for all designers, engineers & others, working with schematics and wiring diagrams, using Capital Logic and supporting applications..

LEARN ELECTRICAL OPTIMIZATION & VERIFICATION

Schematic & Wiring Designers

Learn how to use simulation and analysis tools to validate electrical design connectivity along with electrical load analysis.

LEARN TOPOLOGY DESIGN

Topology Designer

Engineers working with Capital Topology learn how to create a topological view and associate wiring designs to it, for wire routing scenarios using rules..

GET CERTIFIED

Capital Logic Designer Associate Certification

Choose your learning and take your exam to complete the Capital Logic Design Associate **certification**.



SIEMENS


LEARN THE ESSENTIALS

Schematic & Wiring End user

Capital Logic Designer - Getting Started

Capital Logic Designer - Advanced

Capital Logic Designer Associate Certification



Siemens Xcelerator Academy Certified

Capital Logic Associate 2022

[Click for detailed certification course list](#)

Use Capital Logic Designer!

LEARN EXTENDED CAPITAL LOGIC DESIGNER MCAD INTEGRATION AND SETUP CAPABILITIES

Schematic & Wiring Designers or Admin

MCAD with Electrical Distribution

Styling for Electrical Distribution

Queries & Query Editor

Integrate and support accurate & consistent design creation!

LEARN ELECTRICAL OPTIMIZATION & VERIFICATION

Systems & Wiring Designers

Capital Analysis

Capital Load Analyzer

Validate electrical design!

LEARN TOPOLOGY DESIGN

Topology Designer

Capital Topology

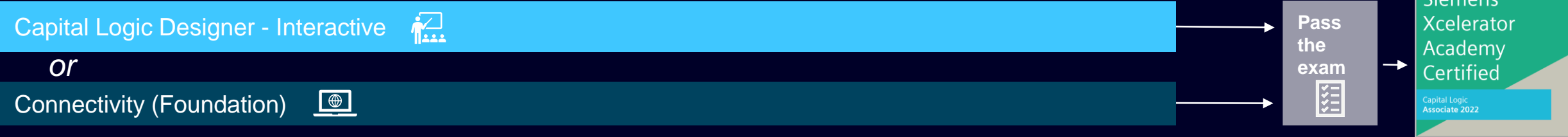
Capital Topology & Capital Integrator MCAD Integration

Core Applications – Electrical Distribution

Utilize Topological views for routing scenarios!

 Instructor-led training	 On-demand training library	 Xcelerator Academy Membership	 Learning Journey	 Standalone Certification Exam	Optional
**Virtual lab environment included in offer		Add-on vLab hours available for purchase		**Virtual lab environment included in offer	

Course List: Capital Logic Designer Associate Certification




Chapters

LEARNING PATH

Capital Logic - Getting Started

Learn entry-level skills, for students new to Capital Logic; learn how to find your way around the basics of Capital Logic.



Anatomy of a schematic

PREVIEW CHAPTER

Anatomy of a Schematic

Chapters

LEARNING PATH

Capital Logic - Advanced

Learn how to create design configuration, use more advanced wiring functionality, assign library parts, & test your knowledge by creating a more complex design.



Options

PREVIEW CHAPTER

Options

Course List: Capital Harness Designer Associate Certification

Capital Harness Designer



or

Harness Design



Pass the exam



Siemens
Xcelerator
Academy
Certified

Capital Logic
Associate 2022

12 Chapters

LEARNING PATH

Capital Harness Designer - 2207

This learning path is designed to support designers and engineers working on harness design using Capital Harness Designer.

5 Chapters

LEARNING PATH

Capital HarnessXC - Getting Started

This learning path is designed to support designers and engineers working on harness design using Capital HarnessXC.

Electrical systems engineering
Integrated tools modeling ideation, realization & utilization



PREVIEW CHAPTER
Why Capital?

4 Chapters

LEARNING PATH

Capital HarnessXC - Synchronizing & Processing

This learning path teaches synchronization from Logic into HarnessXC, and how to process the data for instantaneous length information & part number selection.



PREVIEW CHAPTER
Synchronize Wires and Splices



Capital Essentials Associate Certification





 Capital Component Manager Essentials - 2207

 08 CHAPTERS estimated 4.9 hours

This learning path is designed to support parts librarians who are building and maintaining the component library using Capital Essentials.

Capital Essentials 2207 English

 Capital Symbol Designer Essentials - 2207

 05 CHAPTERS estimated 2.6 hours

Learn methods for creating and managing component symbols using Capital Essentials tools.

Capital 2207 English