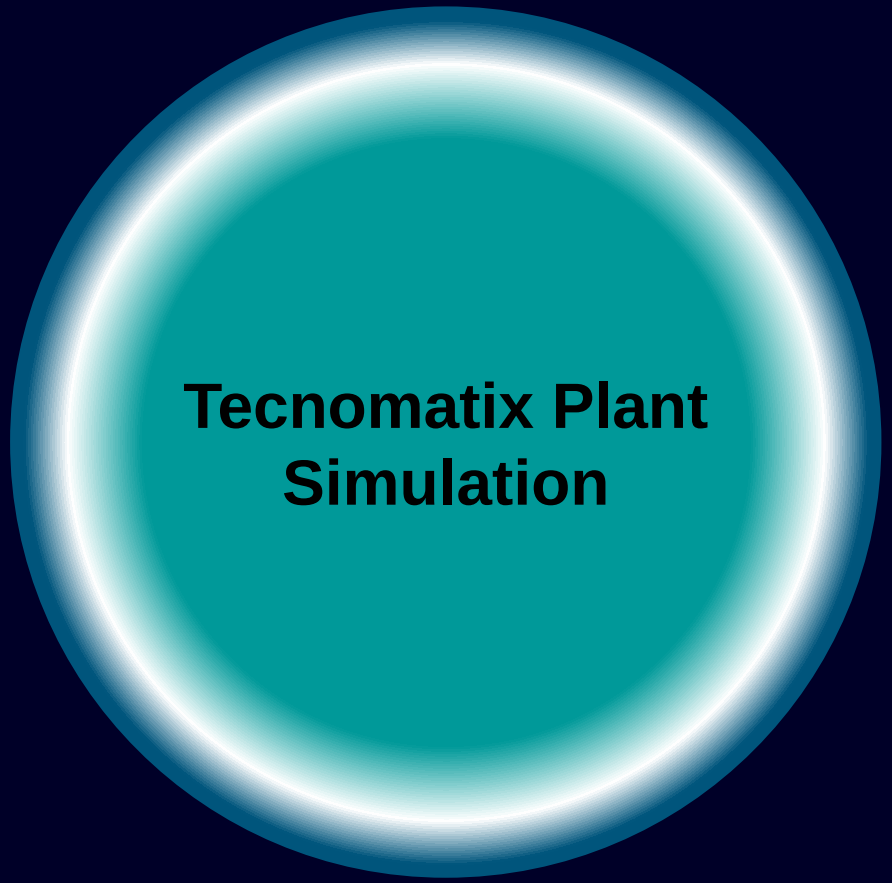
Xcelerator Academy Learning Maps
Your learning: At a Glance



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 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**.

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Tecnomatix Plant Simulation → At a Glance

LEARN BASIC SIMULATION ENGINEER

End user

- Introduction to simulation studies
- Perform a basic simulation study
- Extend a model to include more realistic, modular components
- Extend a model to include conveyors and workers
- Extend a model to include presentation collateral
- Extend a model to include custom logic (methods)
- Set up 3D objects

Plant Simulation Associate Certification

Siemens Xcelerator Academy Certified

Plant Simulation Associate 2022

Click for detailed certification course list

LEARN ADVANCED SIMULATION ENGINEER

End user

- Create models using advanced modeling techniques
- Exchange data with Plant Simulation using Teamcenter, virtual commissioning, and more
- Perform advanced optimization and experimentation

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		

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Instructor-led training	On-demand training library	Xcelerator Academy Membership
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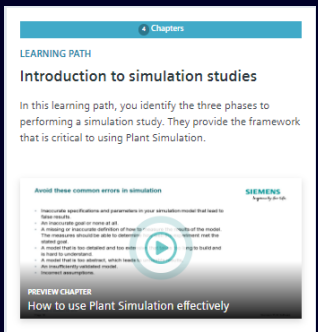
Complete Course List: Tecnomatix Plant Simulation Associate Certification

Plant Simulation Basics + Set up 3D objects

or

Tecnomatix Plant Simulation

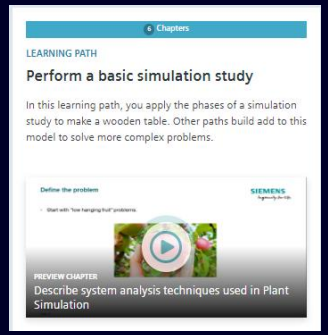
→ Pass the exam → Siemens Xcelerator Academy Certified — Plant Simulation Associate 2022



Overview of Plant Simulation

Get started with Plant Simulation

Explore the Plant Simulation graphical user interface



Define a target, analyze a simple system, and acquire data

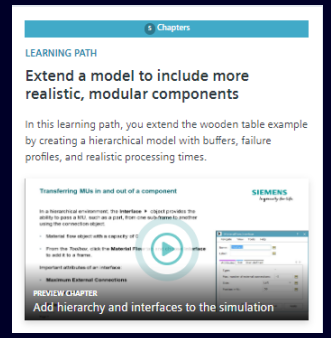
Create a simple model

Validate the throughput of a simple model

Prepare to create a new model from the previous model

Create a more detailed model to produce a better result

Implement basic objects to analyze results



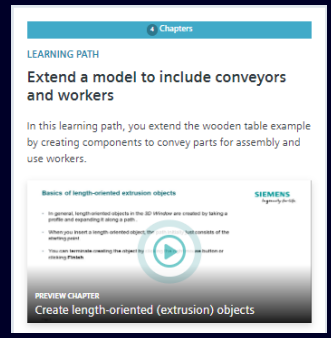
Create a hierarchical model

Identify inherited objects and attributes

Navigate and change 3D viewer visualization

Simulate machine processing time and failures with distributions

Material flow objects with a capacity greater than one

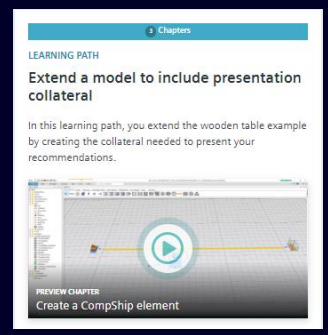


Model length-oriented objects

Setup time, assembly, and dismantle objects

Create user-defined attributes and data tables

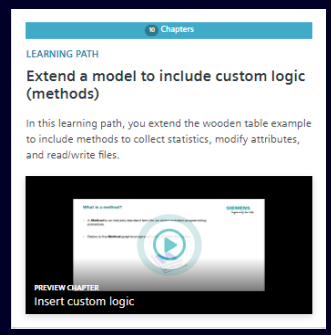
Use basic workers and work shifts



Create experiments and custom reports

Gather time, cost, and power consumption statistics

Add textured plates, point clouds, and backgrounds



Insert custom logic

Use the Method Debugger and anonymous identifiers

Run a method during a simulation

Set attribute values with methods

Access data in tables, lists, and global variables

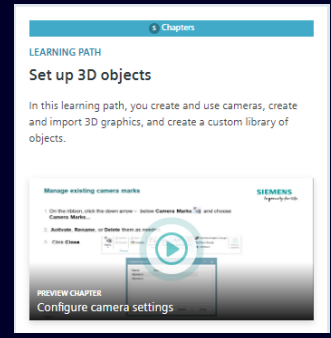
Use distribution functions, use operators, and convert data

Create conditional methods and access the contents of an object

Model transport systems and setup time

Collect statistics with methods

Save and load data into a Plant Simulation table



Setup and use cameras

Import and create a library of 3D objects

Create MU animation and animatable objects

Customize 3D objects with methods

Use advanced worker techniques

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