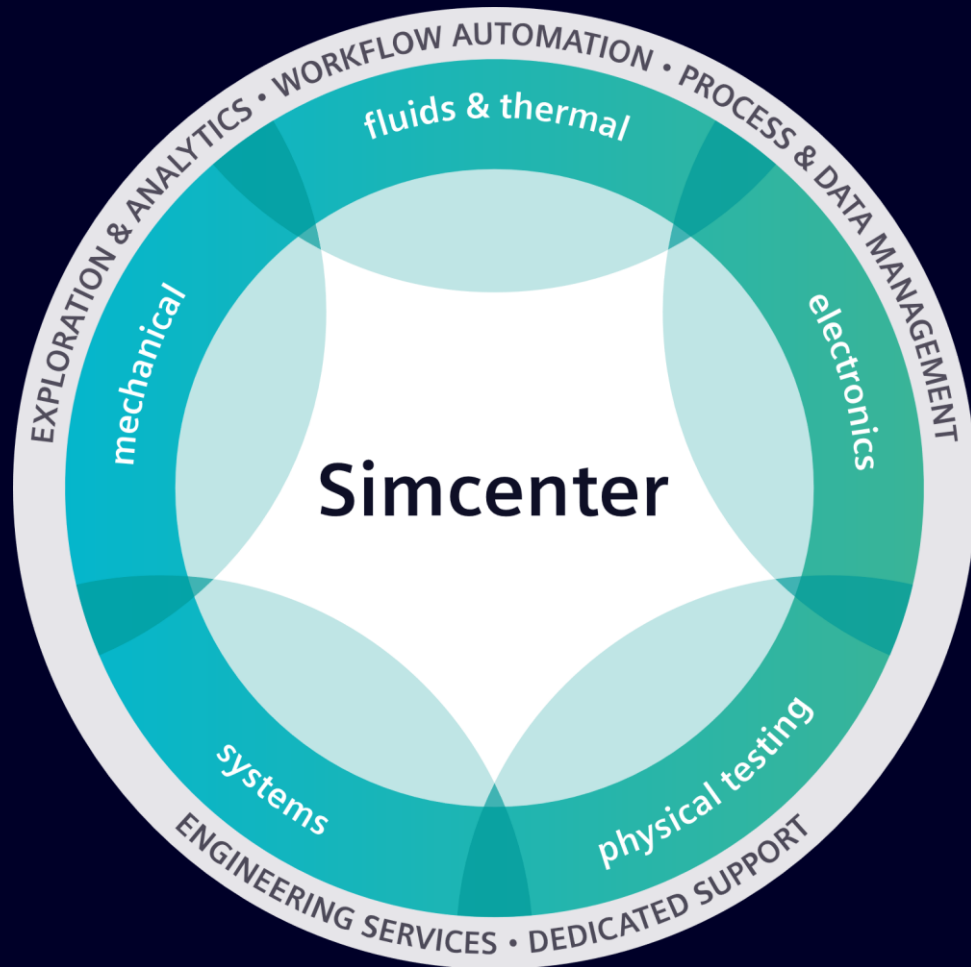


Xcelerator Academy Learning Maps

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**.

LEARN THE ESSENTIALS

End user

- Fundamentals in Simcenter STAR-CCM+
- Data analysis in Simcenter STAR-CCM+
- Efficient workflows in Simcenter STAR-CCM+
- Heat transfer

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+!

Simcenter STAR-CCM+ Certification Exam

Siemens Xcelerator Academy Certified

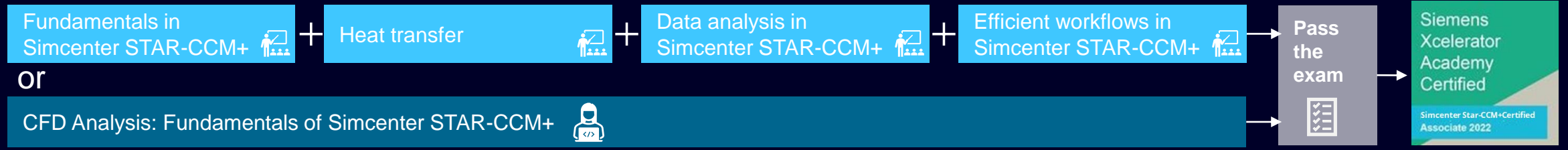
Simcenter Star-CCM+ Certified Associate 2022

[Click for detailed certification course list](#)

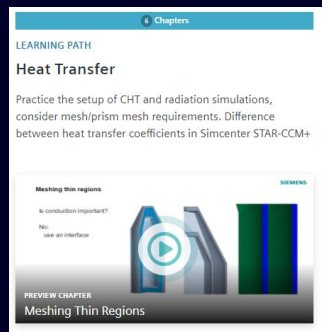
Instructor-led training	On-demand training library	Xcelerator Academy Membership	Learning Journey	Standalone Certification Exam
**Virtual lab environment included in offer		Add-on vLab hours available for purchase	**Virtual lab environment included in offer	



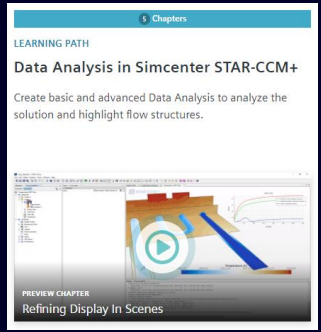
Complete Course List: Simcenter STAR-CCM+ Associate CFD Analyst Certification



- Stepping into the workflow
- Workflow details
- Preparing imported geometry
- Considering the mesh setup
- Refining the mesh
- Setting up the physics
- Analyzing data
- Advanced analysis
- Moving with reference frames
- Effective simulations
- Planning the simulation workflow effectively



- Heat Transfer Introduction
- Workflow Heat Transfer
- Solar Radiation
- Advanced Heat Transfer
- Heat Transfer Coefficients
- Thermal Radiation



- Fundamental plotting
- Color and light effects
- Volume rendering
- Accessing solution data
- Playing screens



- Preparing the Geometry
- Meshing Setup
- Physics
- Model and Value Definitions
- Simulation Setup, Data Analysis and Reporting
- Converting a Simulation File into a Template File
- Using Simulation Operations



SIEMENS