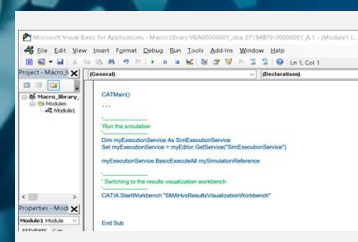


SIMULATION SCRIPTING ESSENTIALS

SIMULIA COURSE DESCRIPTION



Level: Fundamental

Products: 3DEXPERIENCE

Disciplines: Automation; Design Exploration & Optimization; Fluids; Electromagnetics; Motion & Multibody System; Structures

Audience

This course is intended for users with any role that enables the Structural Scenario Creation or Mechanical Scenario Creation app.

Why take this course?

Automation in the 3DEXPERIENCE platform is a powerful solution available for various domains and provides a complete set of dedicated APIs which allows users to create, model and execute the multiphysics simulations. The course starts with the basics of VB programming and then covers automation for basic 3DEXPERIENCE platform operations, geometric modelling, materials, mesh, simulation scenarios, simulation execution and postprocessing. The course also covers GUI customization using VB for building the graphical user interface and the SIM Python API for reading/writing the SIM files.

What will you learn?

Upon completion of this course, you will be able to:

- Understand 3DEXPERIENCE foundation concepts
- Use the 3DEXPERIENCE native apps automation

environment and documentation

- Automate 3DEXPERIENCE native applications using Visual Basic

Explore Your Learning Options

Live Sessions	Engage in Real-Time, interactive group workshops guided by experts. Learn and collaborate live in your preferred language and time zone.	Join a live session
On-Demand Learning	Access expert-designed courses anytime, anywhere. Perfect for independent learners looking to build skills on their schedule.	Start Learning Now
Private Training	Exclusive, tailor-made sessions designed to meet your team's unique goals with expert guidance.	Contact Us for Custom Training



Gain hands-on experience and master real-world workflows through guided, practical training sessions.

Run simulations collaboratively within the 3DEXPERIENCE platform, connecting design, data, and analysis seamlessly.

– SIMULIA Training Expert Team

What You Need to Know Before Starting

The following are recommended prior to taking this course:

- Completing the Structural Simulation Essentials training course (or equivalent)
- Existing knowledge of VB scripting

Want to Learn More?

Expand your knowledge by exploring our [course Catalog](#) and browsing learning paths on [Eduspace](#), our dedicated e-learning platform.

Join the Community!

[Join the SIMULIA community](#) to connect, learn, and stay updated.



3DEXPERIENCE®

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