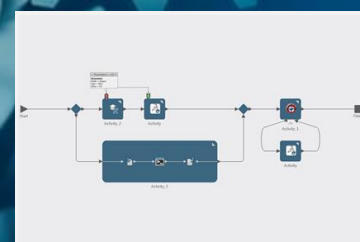


PROCESS COMPOSER ESSENTIALS

SIMULIA COURSE DESCRIPTION



Level: Fundamental

Products: 3DEXPERIENCE

Disciplines: Automation; Design Exploration & Optimization

Audience

This course is intended for the following roles:

- Simulation Process Engineer
- Multidisciplinary Optimization Engineer

Why take this course?

Automation Process Composer and Optimization Process Composer apps are apps for authoring simulation processes on the 3DEXPERIENCE platform. Such simulation processes can be used to automate simulations and capture best practices to distribute to other users in your organization. Optimization Process Composer also enables design space exploration with DOE and Optimization or reliability calculations including Monte Carlo simulation. This course is intended for users of either app. Features unique to the Optimization Process Composer app are covered in optional contents. You can choose the lessons and workshops that are useful for the role(s) assigned to you.

What will you learn?

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

- Automate physics simulation of design variants using geometric and other parameters.
- Automate applications external to the 3DEXPERIENCE platform including calculations in Microsoft Excel®, simple calculator examples, and/or standalone executables.
- Control flow of parameters between integrated simulations and external applications.

- Iterate analyses with a Loop adapter, DOE or Optimization (if enabled by your role).
- Understand the working directory and working files necessary for automation.
- Open a job in the Performance Study or Results Analytics dashboard apps.
- Run your job with cloud or remote resources (if enabled by the available roles and licensing).

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 course is required prior to taking this one:

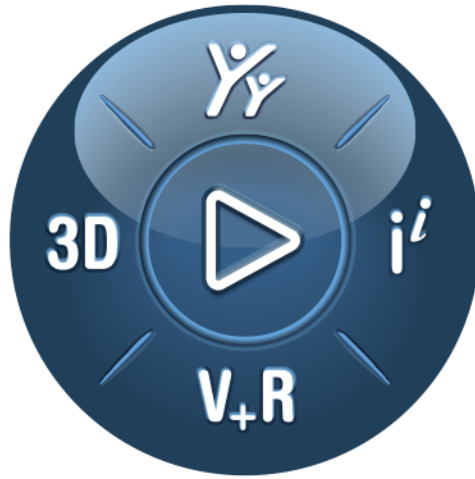
- Getting Started with Automation and Optimization

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®

Dassault Systèmes is a catalyst for human progress. Since 1981, the company has pioneered virtual worlds to improve real life for consumers, patients and citizens.

With Dassault Systèmes' 3DEXPERIENCE platform, 370,000 customers of all sizes, in all industries, can collaborate, imagine and create sustainable innovations that drive meaningful impact.

For more information, visit: www.3ds.com

Europe/Middle East/Africa
Dassault Systèmes
10, rue Marcel Dassault
CS 40501
78946 Vélizy-Villacoublay Cedex
France

Asia-Pacific
Dassault Systèmes
17F, Foxconn Building,
No. 1366, Lujiazui Ring Road
Pilot Free Trade Zone, Shanghai 200120
China

Americas
Dassault Systèmes
175 Wyman Street
Waltham, Massachusetts
02451-1223
USA

**Virtual Worlds
for Real Life**

