

QUICKSTART: TOPOLOGY OPTIMIZATION ON THE 3DEXPERIENCE PLATFORM

SIMULIA COURSE DESCRIPTION



Level: Fundamental

Products: 3DEXPERIENCE

Disciplines: Design Exploration & Optimization;
Structures

Audience

This course is intended for learners of all backgrounds who are interested in performing topology optimization using the 3DEXPERIENCE platform.

Why take this course?

This course offers a hands-on introduction to the topology optimization capabilities of the 3DEXPERIENCE platform. It provides a quick start to defining the design space, objectives, and constraints, as well as generating concept shapes and performing validation analyses.

What will you learn?

After completing this course, you will be able to:

- Navigate the 3DEXPERIENCE platform
- Review existing topology optimization studies
- Explore the key components of the user interface

- Understand the major features and workflow of topology optimization
- Define, run, and validate a topology optimization independently

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



Quickstart courses are designed to help you become productive fast. Each one guides you through key workflows step by step, so you can start simulating confidently from day one.

We created this module to make topology optimization accessible from the first click – not through theory, but through real, repeatable steps you can apply to your challenges and truly own.

– SIMULIA Training Expert Team

What You Need to Know Before Starting

A basic understanding of Finite Element Analysis (FEA) is recommended.

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.

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