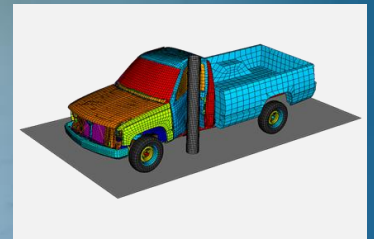


CRASHWORTHINESS ANALYSIS WITH ABAQUS

SIMULIA COURSE DESCRIPTION



Level: Advanced
Products: Abaqus
Disciplines: Structures

Audience
 This course is recommended for simulation analysts who will perform structural crashworthiness or occupant safety simulations.

Why take this course?

This course is the ideal way to obtain a working knowledge of how to use Abaqus for crashworthiness analysis. The course is ideal for users who are already familiar with other crash codes and would like to transition to Abaqus. The course does not cover the use of preprocessors and introduces you to the analysis capabilities of Abaqus using the keyword interface. The course uses examples derived from actual industrial applications to reinforce the concepts and issues discussed in the lectures.

What will you learn?

- This course covers the following topics:
- Abaqus fundamentals and input syntax
 - General “automatic” contact modeling
 - Element selection for crash simulation
 - Constraints and connections modeling
 - Material models used in crash simulation
 - Multiple mechanism damage and failure modeling

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.

Apply nonlinear analysis techniques to simulate complex structural and multiphysics problems accurately.

– SIMULIA Training Expert Team

What You Need to Know Before Starting

No previous knowledge of Abaqus is required, but knowledge of finite elements and engineering mechanics is necessary.

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.



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