SIEMENS

Course Description

Simcenter EDEM

Contact Models and Calibration with Simcenter EDEM

Course Code	ILT110041
Software	Simcenter EDEM 2026
User Level	Intermediate
PricingID	Contact Us
List Price	Contact Us Price may not include taxes applicable to your billing region
Live In-Person Duration	0.5 Day
Live Online Duration	2 hours each day for 2 Days

This live training focuses on understanding Simcenter EDEM software's Contact Models, essential for creating accurate and realistic particle simulations.

WHO SHOULD ATTEND

This course is aimed at new Simcenter EDEM users, from engineering students to professionals who want to gain a clearer understanding of how contact models affect material behaviour in DEM.

PREREQUISITES

WEBNA10

PROVIDED COURSE MATERIALS

- Student Guide
- Activity Material

ATTENDANCE REQUIREMENTS

- The latest Simcenter EDEM version and appropriate license
- Intermediate experience with Simcenter EDEM required

PRIMARY COURSE TOPICS

Day 1

- Contact Models
- Understand the physics behind particle interactions, including how particles interact with each other and with equipment.
- Identify and apply different types of contact models in Simcenter EDEM, including base contact models and rolling friction models.
- Explore advanced contact models such as bonding, wear, and breakage, and understand their applications in realistic simulations.

Day 2

- Model Calibration
- Understand key modelling considerations in Simcenter EDEM, including the philosophy and importance of model calibration.
- Learn how to adjust and validate simulation models to accurately reflect realistic material behavior.

The training agenda may be adjusted to better suit participant needs or reflect updated content. Changes may occur without prior notice.