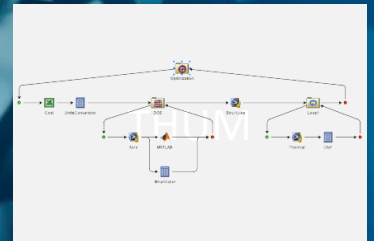


INTRODUCTION TO ISIGHT

SIMULIA COURSE DESCRIPTION



Level: Fundamental

Products: Isight

Disciplines: Automation; Design Exploration & Optimization

Audience

The course is recommended for new Isight users and anyone else interested in learning more about Isight, including mechanical designers, analysts and methods developers.

Why take this course?

This course provides a practical introduction to Isight in which you will learn about process integration and parametric design optimization using Isight. The course includes many hands-on workshops and practical examples.

What will you learn?

The topics discussed include the following:

- Automate a series of functions to create a sim-flow
- Add components to a sim-flow
- Set up the core component
- Configure components to pass data to/from each other
- Execute a sim-flow

- Visualize sim-flow results
- Evaluate design alternatives
- Create a sim-flow to capture a process, by integrating various software in the company.
- Perform Design Optimization and gain Design Space understanding by using various techniques such as DOE, Optimization, Monte Carlo etc.

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.

Automate and optimize simulation processes to improve design efficiency and decision quality.

– SIMULIA Training Expert Team

What You Need to Know Before Starting

This course has no prerequisites.

Agenda for Virtual Live Sessions

Participate in hands-on, real-time workshops where you'll gain practical expertise. Here's what you'll cover:

[Join an Instructor Led Session](#)

Day 1

Lesson 1: Introduction
Lesson 2: Isight Overview
Workshop 1: Exploration of an Isight Model
Lesson 3: Design of Experiments
Workshop 2: I-Beam DOE
Lesson 4: Optimization
Workshop 3: I-Beam Optimization
Lesson 5: Monte Carlo and Six Sigma
Workshop 4: Plate Weld Monte Carlo and Six Sigma

Day 2

Lesson 6: Approximations
Workshop 5: I-Beam Approximations
Lesson 7: Isight Components (Part 1)
Workshop 6: SimCode Component – EngSim
Workshop 7: Calculator Component
Workshop 8: Mapping and Parallel Sim-flows
Workshop 9: Excel Component
Lesson 8: File Handling
Workshop 10: Advanced Parsing
Workshop 11: Loops and Publishing
Workshop 12: Combining Models
Workshop 13: File Parameters
Workshop 14: Data Management (optional)
Lesson 9: Isight Components (Part 2)
Workshop 15a: Data Matching (for non-Abaqus users)
Workshop 15b: Data Matching on Abaqus Results (for Abaqus users)

Additional Material

Appendix 1: Isight Components (Part 3)

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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