KOENIG SOLUTIONS · COURSE OUTLINE

COMSOL Multiphysics® Intensive Training (2 Days)

2 Days	2	10
DURATION	MODULES	TOPICS

COURSE OVERVIEW

This course is the recommended starting point for learning how to use the COMSOL Multiphysics software. This 2-day course will start at an introductory level, covering the essential steps needed in all analyses (geometry creation, meshing, model setup, results evaluation, etc.) Then, we will move into more advanced topics, such as solution techniques and multiphysics modeling. In addition, we will show you how to use agentic AI with COMSOL Multiphysics. To teach this course, we will use a combination of lecture and self-guided hands-on training. The goal is to immerse you in all of the main aspects of using COMSOL Multiphysics, including using the Application Builder, so that you develop a strong foundation for your future multiphysics modeling work and feel confident solving your simulation problems.

TOOLS AND REQUIREMENTS

- This course is suitable for anyone with an engineering, physics, or science background. No previous experience with the COMSOL Multiphysics software is required.

COURSE SYLLABUS

2 Modules, 10 Topics

DAY 1

01

TOPICS

- The first day will primarily be focused on optimizing your usage of the software. We will discuss the Model Builder and Application Builder. You will learn about important considerations for preparing your geometry for analysis, working in the COMSOL software environment, and extracting information from your model.

We will guide you through the software's user interface (UI) and discuss key steps in the modeling workflow, including:

- Building geometry
- Generating mesh
- Physics setup
- Solving multiphysics models
- Using agentic AI with COMSOL Multiphysics

DAY 2

02

TOPICS

The second day will build upon what was discussed during the previous day. Topics will include:

- Study types and parametric sweeps
- Results evaluation and visualization
- Solving large models
- Working in the Application Builder

DELIVERY NOTE

How It Is Delivered

- We will not have laptops available at the event, so please bring your own laptop and mouse.
- All registered attendees will receive a free two-week trial version of the software. Please make sure to install the trial version on your computer before the training course begins.

WHAT IS INCLUDED

Everything You Need to Succeed

- Koenig course material for every module
- Delivery by certified instructors and subject matter experts
- Hands-on exercises throughout the course
- Course completion certificate from Koenig

ABOUT KOENIG

Who We Are

Established in 1993, Koenig Solutions is a globally recognised training provider with 35+ technology partnerships, 5,000+ training programmes and a network of certified instructors and subject matter experts, supporting individuals and enterprise teams worldwide.

FLEXIBLE DELIVERY

Learn the Way That Suits You

Classroom Training | Live Online Classes (ILO) | Fly-Me-A-Trainer (FMAT) | Flexi (Self-Paced) | 1-on-1 Training

Ready to Get Started?

Talk to a learning advisor about schedules, group training and customised delivery.

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