TRAINING COURSE

COMSOL MULTIPHYSICS® INTENSIVE TRAINING FOR CMC

SCHEDULE

Day 1 9:00am–5:00pm

The course begins with a guided introduction to the graphical user interface (GUI) and usage of the software, so that you learn all of the key steps in the modeling workflow:

- Essential topics such as geometry creation, physics assignments, meshing, solving, model verification, and data extraction
- Learn the importance of preparing your geometry for analysis, working with the COMSOL® software environment, and extracting information from your model
- Present the Model Builder and the Application Builder
- Introduce the COMSOL Server™ product

Day 2 9:00am–5:00pm

The second day builds upon the training from the previous day with more examples and lecture that address:

- Theoretical and practical aspects of meshing and solving nonlinear weakly and strongly coupled multiphysics problems
- Practical aspects of solving large finite element problems
- Local and nonlocal couplings of different physics and equations
- Finding, understanding, and eliminating errors in the model
- Efficient modeling for maximizing user productivity

SPEAKERS

Jaymin Patel, *COMSOL, Inc.*

James Christopher, *COMSOL, Inc.*

Viswajith Hanasoge, *COMSOl, Inc.*

SUGGESTED

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

This course is the recommended starting point for learning how to use the COMSOL Multiphysics® software. During the 2-day COMSOL Multiphysics® Intensive training course, you will develop a strong foundation for your future multiphysics modeling work. We start at an introductory level, leading students through the essential steps needed in all analyses (geometry creation, interactive meshing techniques, model setup, postprocessing, etc.) Then, we move into more advanced topics, such as solution techniques and multiphysics modeling.

To teach this course, we use a combination of instructor- and self-guided hands-on training as well as theoretical and practical lecture. The goal is to immerse you in all of the main aspects of using COMSOL Multiphysics® and the built-in Application Builder, so that you feel comfortable working with the software. You will leave the course feeling confident that you are correctly solving your simulation problems with COMSOL Multiphysics®.

FOR QUESTIONS PLEASE CONTACT
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