

TRAINING SERIES

JANUARY – JUNE 2020

GENERAL COURSES

COMSOL Multiphysics Intensive Training (2 Days)

January 13–14 | February 10–11 | March 16–17 | April 20–21 | May 18–19 | June 15–16

An intensive introduction to the workflow and key features of COMSOL Multiphysics via a combination of guided hands-on examples, lecture, and tutorials. **This course is a recommended prerequisite for all specialized courses.**

COMSOL Multiphysics Advanced Topics

June 22

Learn how to solve large multiphysics problems efficiently. This is a recommended supplement to the COMSOL Multiphysics Intensive course.

Solvers and Meshing

March 9

With these meshing skills, you can improve your model's accuracy and computation time while decreasing the memory needed. Various element types will be treated, from free tetrahedral to pyramids, prisms, regular grids, and more. Mesh adaption during solving will also be treated.

Optimization in COMSOL Multiphysics

May 11

With these meshing skills, you can improve your model's accuracy and computation time while decreasing the memory needed. Various element types will be treated, from free tetrahedral to pyramids, prisms, regular grids, and more. Mesh adaption during solving will also be treated.

TOPIC SPECIFIC COURSES

Acoustics & Vibrations

February 3

Learn how to use the Acoustics Module to model acoustic phenomena in fluid, elastic material, porous media, piezoelectric devices, miniaturized devices, and pipe systems.

Electromagnetics

March 23

Learn how to use the AC/DC Module for modeling steady-state, transient, and low-frequency electromagnetic phenomena relevant for applications including resistors, capacitors, inductors and coils, motors, magnets, and electromagnetic heating.

Fluid Flow

May 4

Learn how to simulate fluid flow with COMSOL Multiphysics and the CFD Module. Topics include single-phase flow (laminar and turbulent), multiphysics flow, and multiphase flow.

Heat Transfer

June 8

Learn how to simulate heat transfer with COMSOL Multiphysics and the Heat Transfer Module. Topics include conduction, convection, radiation, and phase change.

Structural Mechanics Modeling

April 6

Learn how to analyze stress, deformation, stability, and fatigue in solid structures due to mechanical loads, thermal expansion, and other multiphysics effects using COMSOL Multiphysics.

Transport Phenomena & Chemical Reaction

January 28

Get an introduction to modeling chemical reactions using COMSOL Multiphysics and the Chemical Reaction Engineering Module.

Advance your modeling skills by attending a COMSOL training course. Learn to efficiently set up multiphysics models and build apps through a combination of hands-on activities and lectures carried out by our team of experienced instructors.

PRICING

Courses are full day events held in Zoetermeer. All training material and lunches are included.

1 Day course: €675

2 Day course: €1350

Academic discounts and on-site training opportunities are available. For an up-to-date calendar and to register visit comsol.nl/training

CONTACT INFORMATION

info@comsol.nl

+31-79 363 4230

COMSOL BV
Röntgenlaan 37
2719 DX Zoetermeer
Netherlands

