



Course Duration: 2 days

Designed for users who would like to become productive faster, this introductory course offers hands-on training on the use of SolidWorks Flow Simulation.

Prerequisites: Some experience using SolidWorks.

Who should attend: The two-day training program provides an in depth session on the basics of fluid flow analysis, in addition to covering meshing concerns, modeling concerns, analysis, post-processing, available options and preferences.

Basics of Fluid Flow

- Fluid Flow Definitions
- Governing Equations
- Meshing principles
- Monitoring convergence

Running

- Meshing concerns
- Modeling concerns
- Applying boundary conditions
- Post-processing (vectors, contours, iso-lines, particle tracking)
- Global data (mass/energy balance, bulk values, et cetera)
- Analysis Types
- Steady State
- Transient
- Conjugate heat transfer
- Open/closed systems

Flow Features

- Compressible and incompressible
- Newtonian / non-Newtonian fluid
- Fan Curves
- Particle trajectories
- Supersonic flows
- Cavitation
- Relative humidity
- Conjugate heat transfer

Advanced Features within SolidWorks Flow Simulation

- Manual mesh control
- Manual convergence
- Export of results to SolidWorks Simulation modulus (stress analysis)



Contact Details

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