

MECHANICA[®] Basic Training (3 days)

'In'-Tuition – In-house, Intensive training for Individuals
We come to you to deliver these courses.

You use your own software, we supply the trainer.

Standard Course :- £1800 for 1 person, £2550 for 2 people, £2925 for 3 people.

Content as of 1st Dec. 2014

This course provides an introduction to the functionality available in the Basic Mechanica licence, with student examples for the most commonly used functions. For a more in-depth treatment and further examples, please see our Intermediate, Advanced and Specialist Courses

- Introduction
- FE Modelling with Mechanica
 - FE Theory
 - Element Types
 - Loads & Constraints
 - Materials
 - Types of Analysis
 - Meshing
 - Measures
 - Convergence
 - MPA v SPA v QC
 - Results
- Single Part Solid Models
 - Measures
 - Materials
- Single Part Shell Models
 - Shell Pairing (Auto/Manual)
 - Constraining Shells
- Simple Assemblies – Solids
- Simple Assemblies – Shells
- Mixed Element Models
- Constraints
 - Multiple Constraint Sets
 - Symmetry
 - Enforced Displacement
 - 3-point Constraints
 - Inertia Relief
- Load Types
 - Force/Moment
 - Pressure
 - Gravity & Body Loads
 - Bearing
 - Temperature
 - TLAP
 - Multiple Load Sets
 - Spatial Variation of Loads
- Model Geometry
 - Regions,
 - Suppress
 - Symmetry
 - Coord Systems
- Connections
 - Spot Welds
 - Welds
 - Rigid Connections
 - Interface
 - Weighted Links
 - Simple Fasteners
- Analysis Types
 - Contact Analysis
 - Modal Analysis
 - Buckling Analysis
 - Thermal Analysis
 - Sensitivity Analysis
 - Optimisation

Pre-requisite : Previous Pro/Engineer experience or training

Note: It may not be possible to get through everything in the time, in which case the most appropriate items will be selected.

*Prices include travel expenses for sites within 100 miles of Northampton, but not VAT. Extra expenses may be charged for other sites.
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