

## Creo® Simulate Advanced Training – Expert User (1 day)

**‘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 :- £975 for 1 person, £1050 for 2 people, £1250 for 3 people.**  
**Contact us for a quote if you have more people or for a customised course.**

### Content as of 1<sup>st</sup> Dec. 2014

This course is for those with either the Basic or Advanced Creo Simulate licence, although some functionality is only available in the Advanced licence and with Independent Mechanica. The course contains a mixture of lectures and prepared examples. Students may also bring their own examples  
Also see our other Advanced and Specialist Courses.

Learn about how to get the most out of your software investment. Learn about Creo Simulate ‘config’ options, including some hidden ones. Follow modelling & analysis Hints & Tips from the experts. Find out how to resolve meshing and other problems. The course covers

- Introduction
- When to use Mechanica
- Preparing a Pro/Engineer model for analysis
  - Simplify or not
  - Simplified reps
- Element Types
  - Solid, shell or beam?
  - Mixed element models
  - More about Simulate Fasteners
- Model Accuracy
  - Pro/Engineer Accuracy
- Convergence Types
  - SPA Theory
- Mesh Control & Refinement
  - AutoGEM settings
  - Mesh Controls
  - Manual Interventions
- Troubleshooting
  - Meshing problems
    - Accuracy
    - Hints & Tips
  - Fatal errors
  - Diagnostics
- Mechanic Configs
- Mechanica Run Settings
- Sophisticated Stuff
  - Inertia relief
  - Linearised Stresses
  - Stress Intensity (Ind. Mech.)
  - Fatigue
- Hints & Tips
  - Torsional Loads
  - 3-Point Constraint
- PTC Support
  - Knowledge Base
- Reviewing & Interpreting Results

Pre-requisite : Previous Creo Parametric & Simulate 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. Pro/ENGINEER®, Pro/MECHANICA®, Wildfire™ and Creo® are trademarks or registered trademarks of Parametric Technology Corporation or its subsidiaries in the U.S. and in other countries. In-Tuition™ is a trademark of Elite Consulting Ltd.