

Pro/ENGINEER[®] Mechanism Training (1 day)

Mechanism Kinematics & Dynamics (MDX/MDO)

'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 :- £750 for 1 person, £975 for 2 people, £1100 for 3 people.

Contact us for a quote if you have more people or for a customised course.

Content as of 28th Jan 2010

In this course you learn how to set up and mechanism in Pro/ENGINEER and conduct Kinematic and Dynamic Mechanism analyses. Please note that for the Dynamics part you will need the Pro/ENGINEER Mechanism Dynamics Option (MDO) licence, which is available in the Flex3C licence or as a separate module, but is not part of the Foundation licence. For optimisation of mechanisms, please see our Behavioural Modelling[®] (BMX) course. To find out more about how to use the results of a Mechanism Dynamics analysis in a stress analysis, please see our MECHANICA[®] courses.

- Introduction & Capabilities
- Basic Concepts
- Kinematics
- Joint Types & Drivers
- Servo Motors
- Cams & Slots
- Trace Curves & Motion Envelopes
- Playbacks & Movies
- Accelerations, Forces & Mass
- Initial Conditions
- Loads
- Dynamic Analysis
- Reviewing Results
- Measures
- Damping
- Springs
- Gears
- Using Mechanism results in MECHANICA Structure

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. Pro/ENGINEER[®], MECHANICA[®], Behavioural Modelling and Wildfire[™] 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.