

Describe the learning environment.

The programme is delivered in comfortable training rooms with small number of clients in order to ensure that each trainee has the benefit of the instructor's attention and experience.

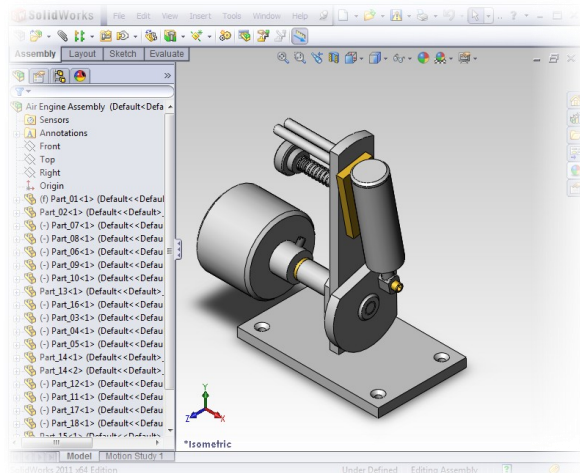
Each student has a powerful CAD workstation with modern graphics capabilities and current, licensed software. Our learning package includes appropriate documentation, exercises and assignments so the participant can undertake essential practice outside the classroom.

What is the programme duration?

The programme is usually delivered over either two consecutive Fridays or two Consecutive Saturdays, from 09:30 a.m. to 04:30 p.m.—time is allocated for both lunch and coffee breaks.

Outline the teaching methodology.

The participant will be guided through the creation of a series of part models, assembly models and drawings. Emphasis is placed not only on the correct use of various commands, but also on the most appropriate methods for part, model and drawing creation. The tutor's extensive experience is made available to the participants at all times throughout the programme.



What is the evaluation mechanism?

At the end of the programme the participant is invited to attempt a multiple choice test. The questions will be in the format of a request to model a part and / or assembly, including dimensioned drawings. The participant will then determine the values of certain characteristics of the model (mass, volume, distance between certain features, etc.) and select the most appropriate answer on the multiple choice paper. A mark of 70% is required to pass the test.

What is the certification?

Upon successful completion of the programme assignments, the participant is eligible for the award of 'Certificate of Attendance'. The candidate will also have completed a portfolio which may be used as a basis for further work.

What is the programme cost?

The programme is currently priced at €595, inclusive of instruction, programme materials, assignments and administration.

Where is the venue?

Programmes will be held at various location in Dublin and throughout the country depending on demand. The programmes can be presented at the client's premises if required.

How may I get further information?

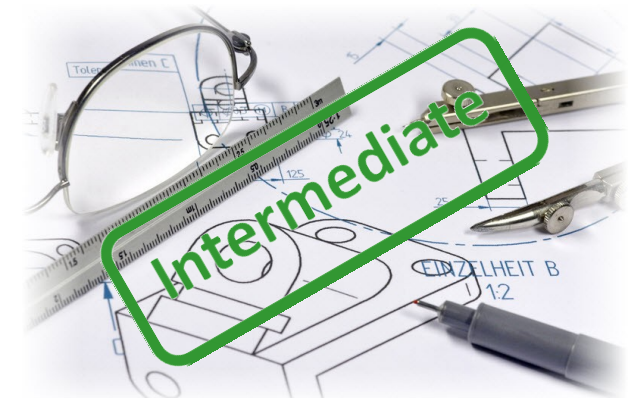
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EduCAD Professional

3D Parametric CAD Training

Solidworks Intermediate

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We are pleased to introduce the following EduCAD Professional Programme:

Intermediate Solidworks

This programme, taught by experienced Chartered Engineers and Certified Solidworks Professionals, uses the most recent versions of Solidworks CAD software to improve the skills of those participants who already have basic skills in the Solidworks environment.

What is the programme Aim?

The aim of this programme is to provide intermediate training in Solidworks for those participants working or intending to work in the following industries:

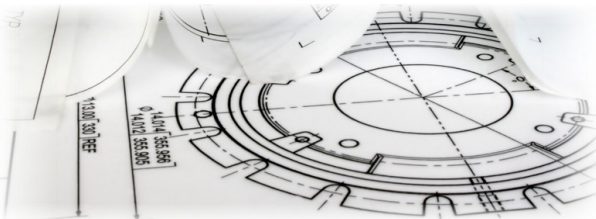
*Design – Engineering – Drafting
Consumer Product – Medical Device
Manufacturing – and associated industries*

Why choose this programme?

3D parametric CAD skills are now essential for many professionals employed in design, engineering and drafting roles in industry. This programme provides the intermediate skill set upon which to continue both professional practice and as a foundation for the future development of Solidworks competence.

What are the programme prerequisites?

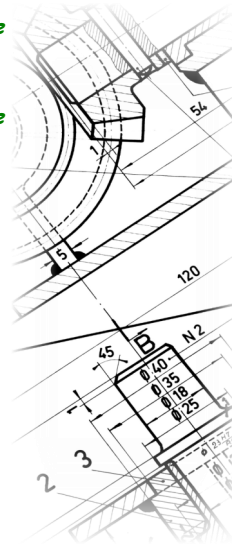
Participants should have completed the EduCAD Professional Introductory Programme, or have equivalent Solidworks experience.



What are the Programme Learning Objectives?

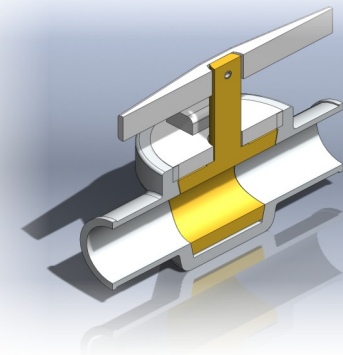
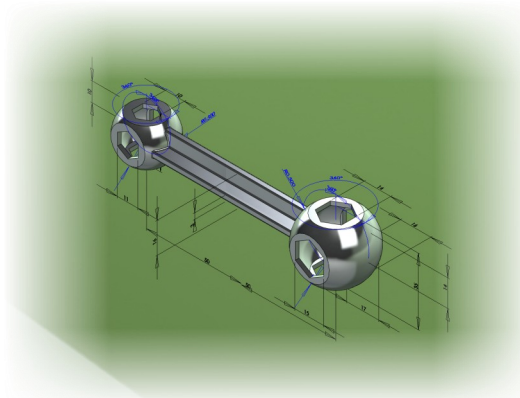
(1) Competence in the use of the user interface

- Screen Layout
- Command Manager
- Tabs and Toolbars
- Shortcut Bars
- Keyboard Shortcuts
- Task Pane
- Appearances
- Model Viewing
- Feature Manager Tree
- Property Manager
- Display functions
- Help File



(2) Proficiency in intermediate sketching

- Purpose of Sketching
- The Sketching Environment
- Sketch Tools
- Intermediate sketch entities
- Intermediate Sketch Relations
- Sketch Conversion
- Derived Sketches
- Sketch Repair
- Sketch Sharing



(3) Creation of intermediate parametric solid models

- The Part Modelling Environment
- Part Materials and Colours
- Boss Termination Options
- Cut Termination Options
- Multi-Body Parts
- Revolved Features
- Revolved Cut Features
- Lofted Features
- Mass Properties
- Configurations
- Excel Driven Components

(4) Production of intermediate assembly models.

- The Assembly Environment
- Assembly Design Intent
- Top Down Assembly Techniques
- Bottom Up Assembly Techniques
- Skeleton Assembly Methods
- New Parts Within Assemblies
- Parametric Assemblies

(5) Intermediate drawing creation

- The Drawing Environment
- Creating and Modifying Formats
- Annotations
- Linking of Part Properties to Drawings
- Isometric Section Views
- Multi-Position Views