

PCB Layout with Altium Designer

Introductory Tutorial

Course Synopsis

- Course objectives
- The PCB environment
- The PCB user interface
 - Menu, toolbars and hot keys
- PCB basics
 - PCB objects
 - Starting a new PCB
 - Mechanical layers and keepouts
 - Defining the board shape
 - Using libraries
 - Basic drawing and dimensioning
- Importing data from schematic
 - Design synchronisation
- Interactive placement
 - Floorplanning using rooms
 - Custom Grids
 - Creating component unions
- Interactive routing
 - Setting up routing layers
 - Look-ahead wiring
 - Node & track editing
 - Advanced techniques
- Design rules
 - Defining rules
 - Portable design rule sets
- Filled copper areas and power planes
 - Placing & editing polygons
 - Using power planes
 - Split internal power planes
- Querying objects
 - Hole size editor
 - List and Inspector Panels
 - Query Builder
- 3D visualisation
 - Import/Export STEP
 - View/Edit in 3D
- Postprocessing
 - Design rule checking
 - Finding & fixing DRC errors
 - Output of Gerber & NC drill data
 - Setting up an output job
- Summary and further reading

Course Overview

A two-day course designed to provide hands-on familiarisation with the features and functionality of the Altium Designer PCB layout system. This course is a perfect complement to Schematic Capture with Altium Designer Introductory Training course.

Who should attend?

Ideal for delegates just starting with this powerful PCB Software, or for those requiring a more formal introduction to the concepts and operation of the system.

The Course

The tutor introduces each subject and outlines the underlying concepts. Delegates then proceed to complete hands-on exercises using the software. The tutor then summarises the session and highlights any potential pitfalls and/or common misconceptions. There will be plenty of opportunity for individual discussion and guidance.

Pricing & accompaniments

Our PCB Layout with Altium Designer Introductory course costs £995 per delegate (prices excl. VAT).

Price includes a comprehensive set of delegate notes, a certificate of attendance, plus refreshments and a buffet lunch. Please advise us if you have any special dietary requirements prior to attending our training courses.

Date and Venue

All library, schematic and PCB training courses are held monthly at our training suite in Stanstead Abbots, Hertfordshire. Please see our website for the next course date.

The course starts at 09.30 and finishes approx. 16.30. On-site training may be accommodated on request, please contact us for details.

More information and reservations

Bookings are now being taken. To register your interest in attending, please complete the online [form](#) and Premier EDA Solutions will contact you to confirm your booking and payment details.

