

Spec Ops – Altium Designer Course Agenda

The Spec Ops course builds on the basic skills that you have acquired through the Nine Dot Connects Boot Camp training or from personal experience. The Spec Ops class assumes proficiency in the navigation and use of Altium Designer's basic features. Those who would gain the most from this training are looking to increase their efficiency in the tool's features and make use of advanced capabilities in order to better control the design process.

Nine Dot Connects provides a short quiz that can help decide which of the two courses - Boot Camp or Spec Ops – is appropriate.

Check out the link -

<https://www.ninedotconnects.com/training-ad-quiz>.



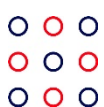
The Spec Ops manual was developed using Altium Designer Version 19 and is recommended for use with that specific version. If using version 17 of Altium Designer, Nine Dot Connects can accommodate.

Like Boot Camp training, the course is broken into modules where a subject is presented, followed by an exercise to reinforce the learning process. While Boot Camp is a project-based training that relies upon the results of previous modules and exercises, Spec Ops is a modularized course, consisting of 15 independent modules.

This three-day course will help improve productivity in the PCB environment through the effective use of Altium Designer and its features. Along with detailed documentation and configuration management topics, advanced routing and layout techniques will be explored. High-speed design constructs like differential pair routing, length matching and tuning will be discussed and demonstrated. Additionally, many of Altium Designer's latest features will be introduced.

- Day 1 - What's New in AD19, Configuration Management and Project Setup
- Day 2 – Placement and Advanced Routing
- Day 3 – Altium Designer Specific Applications

Note: Spec Ops is centered on the PCB editor; it does not contain library related training. Customization of the Spec Ops training to include topics such as component design or library management can be arranged.



Leader in EDA and PCB training and service

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[ninedotconnects.com/training](https://www.ninedotconnects.com/training)

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Day 1

- Mod 1 – What's New in Altium Designer?
- Mod 2 – Configuration Management
- Mod 3 – Edit/View Menus
- Mod 4 – PCB Setup for Design
- Mod 5 – Design Rules

Day 2

- Mod 6 – Use of Rooms and Footprint Placement Tools
- Mod 7 – Pin Swapping and Part Swapping
- Mod 8 – Interactive Routing
- Mod 9 – Advanced Routing Features
- Mod 10 – Planes and Polygons

Day 3

- Mod 11 – Multi-Channel Designs
- Mod 12 – PCB Back Annotation
- Mod 13 – Multi-Board Design
- Mod 14 - xSignals
- Mod 15 – Introduction to Draftsman

