Altium Designer – Spice Simulation
Globally Certified Altium Training Course
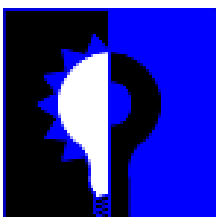
If you can design electronics, you can change the world!

And as the desire for new and innovative user experiences continues to grow, there has never been a better time to be an electronics designer. Having the right skills and tools is an important part of being a successful professional. But having the right methodology and approach ensures those skills and tools can be wielded with the greatest impact.
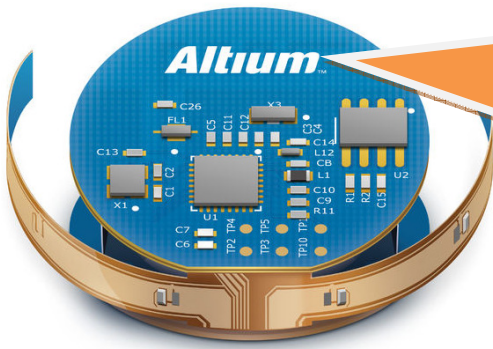
Developed by a team of Altium experts, Altium Training Programs give you more than just detailed knowledge and the practical application of Altium Designer's features and functions. They explain the unique paradigm and design methodologies that drive Altium's ongoing development. And by learning from an authorized Altium Trainer Partner like EDA Technologies, you'll gain valuable insights that will equip you to propel your organization forward.

Presented in South Africa by the Altium Authorized Training Partner:

EDA TECHNOLOGIES
www.edatech.co.za

Training is expensive. Good training is more expensive ... But no training is the most expensive!

Altium Designer, the world's first unified electronic product development system, opens new and exciting design possibilities to you.
As part of our commitment to ensuring you have a successful and productive future with Altium, we are pleased to offer you the **Altium Designer Spice Simulation Course** to help you to use the **more powerful features** and functionality of Altium Designer.

Overview

Having laid a firm foundation through Altium Essentials, specialist designers are people who regularly use Altium Designer to drive their business forward and who require the more advanced PCB features to efficiently tackle more complex design challenges. This hands-on course will explore all facets of the SPICE simulation environment provided in Altium Designer, walking the student through the process of linking models, setting up and exploring the simulation analysis available, and understanding the various methods for observing and capturing the results.

Altium Global Certification Program

Altium Certification is available for all Altium authorized training programs and ensures you get the recognition you deserve for the skills you have acquired. Furthermore, by attending an Altium authorized training program with EDA Technologies, you're assured of receiving the most up to date material covering the latest Altium developments.

Each Certificate carries a unique code which can be authenticated on Altium.com.

Altium **Designer**

CERTIFICATE

Having completed an Altium approved program of study and assessment, this is to affirm that

has fulfilled the certification requirements for the

Dr Marty Hauff
Altium Certification & Training

The authenticity of this certificate can be verified online at:

Altium™
Spice Simulation

AGENDA

1. Getting Help - Discover resources available to you to get help and learn more about simulation.
2. Simulation Ready Components - In this module you will learn how to search libraries configured with simulation models.
3. SPICE Basics - In this module we will cover SPICE parameters, how to create a netlist, look at SPICE templates and how to use the generic editor.
4. Model Association - In this module, we will associate a SPICE model to a schematic component and learn how to properly map the port connections.
5. Waveform Editor - The various analyses that can be performed by the Simulator are defined in the Analyses Setup dialog. The options in the General Setup page of the dialog are also used to specify the scope of the simulation and the signals to be automatically displayed upon completion of the simulation. Each individual analysis type is configured on a separate page of the dialog. We will examine 7 of these analyses in detail in this module
6. Simulation Analysis Types - The various analyses that can be performed by the Simulator are defined in the Analyses Setup dialog. The options in the General Setup page of the dialog are also used to specify the scope of the simulation and the signals to be automatically displayed upon completion of the simulation. Each individual analysis type is configured on a separate page of the dialog. We will examine 7 of these analyses in detail in this module.
7. Extended Language Support
8. Advanced Options & Troubleshooting
9. Extra Libraries & Examples

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Celebrating 20 years of industry service
1997-2017

Who should attend:
- Designers who are seeking to access the broader capabilities of Altium Designer
- Designers who wish to become more efficient in the PCB design cycle
- Advanced Circuit Designers building complex products
- Designers wishing to shorten their product design cycle

What is included:
- Each delegate will have a personal computer for the duration of the course.
- Each delegate will receive comprehensive Altium approved course notes, a notepad and a pen.
- An Altium-issued certificate will be posted on AltiumLive.com upon successful completion.
- Tea/Coffee, snacks and a sit-down lunch.

Key topics:
- model file concepts and linking to schematic symbols
- Sim Model editor
- Simulation Set up and Analysis
- Waveform editor
- Parameter usage
- Convergence Issues

Prerequisites:
Attendance of the Altium Essentials Course, or more than 2 years' experience with Altium Designer.

Cost:
The 1-day course costs R 3 250,00 per person (excl VAT). Payment is required at least 10 days before training commences.

Register now
Download and complete the registration form to secure your seat.

Dates / Venue:
Visit **www.edatech.co.za** for latest information.

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