Designing with Quartus II

Course Length: 1 Day

Course Description

Designing with Quartus II covers all the capabilities of the industry-leading Quartus® II software, including design entry, project management, compilation using the PowerFit fitter, multi-clock timing analysis, and simulation.

The class will teach you about the LogicLock™ design methodology's powerful new incremental placement and synthesis capability. You will also learn about NativeLink® integration of world-class synthesis and simulation tools from third-party EDA tool vendors.

Skills Required

The skills required for this class are:

- Background in digital logic design
- Experience with PCs and the Windows operating system

Skills Developed

The skills developed in this course include:

- Understanding multiple design entry methods
- Using MegaWizard Plug-Ins
- Creating and compiling projects
- Using the assignment organizer
- Understanding the Floorplan Editor
- Understanding Quartus II timing analysis
- Using the LogicLock feature
- Simulating using the Quartus II simulator
- Using the Tcl scripting capability
- Using the SoftMode co-design capability for Excalibur software development