

PCB Foundations Course Agenda

Course Overview

The PCB Foundations class was designed to walk you through the entire PCB process. It is for anyone who has anything to do with the PCB design process – engineers, designers program managers, and technicians.

- **Day 1 – PCB Manufacturing Flow**
 - A Brief History of the PCB
 - Fabrication Process
 - Assembly Process
 - Designing for Test
- **Day 2 – Library Etiquette and Schematic Capture Flow**
 - Symbol Libraries Flow
 - Component Considerations
 - Intelligent Data
 - PCB Footprint Library concepts
 - PCB Mechanical and Special Function Layers
 - Schematic Creation and Logic Flow
- **Day 3 – PCB Design flow and documentation**
 - PCB Design Preparation Work (board, design rules, stack up)
 - PCB Component Placement
 - Routing Considerations
 - Fabrication Documentation
 - Assembly Documentation

The training exercises were developed to immerse you into the entire design process. Each exercise not only reviews the knowledge that was presented, but also presents real life PCB process challenges. This aspect of the exercises fosters thoughts and discussions with your fellow classmates and the instructor, empowering you to use the knowledge of this course immediately in your daily work life.

This course is taught by our senior engineers who have years of experience in PCB design and design flow.

