



### TRAINING

- Expert Training in the Latest Technologies
- Industry-Demanded Certifications

### PCB TECHNOLOGY

#### Quality & Inspection

- IPC-A-610 Instructor & Operator Certification

#### Soldering & Assembly

- IPC J-STD-001 Instructor & Operator Certification

#### Bare Board Inspection

- IPC-A-600 Instructor & Operator Certification
- IPC-6012 Instructor & Operator Certification

#### Rework & Repair

- IPC-7711 & IPC-7721 Instructor & Operator Certification

#### Hand Soldering Skills

- Soldering Basics, Wires & Terminals, Lap Solder Joints, Through-Hole and Surface Mount Training

#### PCB Fundamentals

- Component Identification
- Electrostatic Discharge

#### PCB Design

- IPC Designer & IPC Advanced Designer Certification

### COUNTERFEIT COMPONENTS

#### IDEA-STD-1010

- Seminars & Workshops
- IDEA-STD-1010 Essentials
- SAE AS5553 Counterfeit Electronics

### CABLE & WIRE

### HARNESST TECHNOLOGY

#### Quality & Inspection

- IPC-A-620 Instructor & Operator Certification

#### Hands-On Labs

- Crimping & Harness Assembly Training

### TECHNICAL SUPPORT

- Manufacturing Start-Up
- Process Evaluation
- Subcontractor Qualification
- Equipment Evaluation
- Lead-Free, ESD, Process and Quality Audits

## IPC-6012 Certified IPC Specialist (CIS)

### IPC-6012 "Qualification and Performance Specification for Rigid Printed Boards"

Learn about the design, specifications, fabrication and inspection of printed circuit boards.

#### IPC-6012 CIS Certification

##### ON-LINE Start time: 10am E.S.T.

Jan 31 - Feb 3  
Jun 13 - 16  
Nov 14 - 17

#### Challenge Test

Jan 7 . . . . . Manchester, NH  
Jan 31 . . . . . Manchester, NH  
Feb 25 . . . . . Manchester, NH  
Mar 11 . . . . . Manchester, NH  
Apr 1 . . . . . Manchester, NH  
May 6 . . . . . Manchester, NH  
May 20 . . . . . Manchester, NH  
Jun 29 . . . . . Manchester, NH  
Jul 21 . . . . . Manchester, NH  
Aug 5 . . . . . Manchester, NH  
Sep 22 . . . . . Manchester, NH  
Oct 20 . . . . . Manchester, NH  
Nov 18 . . . . . Manchester, NH  
Dec 19 . . . . . Manchester, NH

#### Challenge Test

##### ON-LINE Start time: 10am E.S.T.

Jan 5	Jul 6
Jan 19	Jul 20
Feb 2	Aug 3
Feb 16	Aug 17
Mar 2	Aug 31
Mar 16	Sep 14
Mar 30	Sep 28
Apr 13	Oct 12
Apr 27	Oct 26
May 11	Nov 9
May 25	Nov 22
Jun 8	Dec 7
Jun 22	Dec 21

#### IPC-6012 CIS Recertification

##### ON-LINE Start time: 10am E.S.T.

Jan 31 - Feb 3  
Jun 13 - 16  
Nov 14 - 17

#### Challenge Test

Jan 7 . . . . . Manchester, NH  
Jan 31 . . . . . Manchester, NH  
Feb 25 . . . . . Manchester, NH  
Mar 11 . . . . . Manchester, NH  
Apr 1 . . . . . Manchester, NH  
May 6 . . . . . Manchester, NH  
May 20 . . . . . Manchester, NH  
Jun 29 . . . . . Manchester, NH  
Jul 21 . . . . . Manchester, NH  
Aug 5 . . . . . Manchester, NH  
Sep 22 . . . . . Manchester, NH  
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Nov 18 . . . . . Manchester, NH  
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Apr 27	Oct 26
May 11	Nov 9
May 25	Nov 22
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Jun 22	Dec 21

Dates and locations are subject to change. Please call to check current dates and availability. Minimum enrollments are required for a class to be held.