



### 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 HARNESS 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

## Portland, OR

Please contact us for additional locations and on-site training opportunities in your area.

### IPC-A-610 Certified IPC Trainer (CIT)

Jan 30 - Feb 2  
Apr 10 - 13  
Aug 7 - 10  
Nov 13 - 16

**Recertifications (Req. 24 mos.)**  
Aug 1 - 2

### IPC-A-610 Certified IPC Specialist (CIS)

Jan 30 - Feb 1  
Apr 10 - 12  
Aug 7 - 9  
Nov 13 - 15

**Recertifications (Req. 24 mos.)**  
Jan 30 - Feb 1  
Apr 10 - 12  
Aug 7 - 9  
Nov 13 - 15

### IPC-A-610 Certified Standards Expert (CSE)

Jan 30 - Feb 2  
Apr 10 - 13  
Aug 7 - 10  
Nov 13 - 16

**Recertifications (Req. 24 mos.)**  
Aug 1 - 2

### IPC-A-610 Interactive PCB Inspection Lab (CIT or CIS Option)

Feb 3  
Apr 14  
Aug 11  
Nov 17

### J-STD-001 Certified IPC Trainer (CIT)

Feb 6 - 10  
May 15 - 19  
Jul 10 - 14  
Oct 9 - 13

**Recertifications (Req. 24 mos.)**  
Aug 3 - 4

### J-STD-001 Certified IPC Specialist (CIS)

Feb 6 - 10  
May 15 - 19  
Jul 10 - 14  
Oct 9 - 13

**Recertifications (Req. 24 mos.)**  
Feb 6 - 10  
May 15 - 19  
Jul 10 - 14  
Oct 9 - 13

### J-STD-001 Certified Standards Expert (CSE)

Feb 6 - 10  
May 15 - 19  
Jul 10 - 14  
Oct 9 - 13

**Recertifications (Req. 24 mos.)**  
Aug 3 - 4

### IPC-A-620 Certified IPC Specialist (CIS)

Mar 27 - 30  
Jun 12 - 15  
Sep 18 - 21

**Recertifications (Req. 24 mos.)**  
*Recerts can attend full in-person Cert class or On-Line Recert class*

Mar 27 - 30  
Jun 12 - 15  
Sep 18 - 21

### 620 Hands-on Labs (CIT or CIS Option)

Mar 31  
Jun 16  
Sep 22

### Hand Soldering Certification

Mar 20 - 24  
Jun 5 - 9  
Sep 11 - 15

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.

**To view all of the available classes, please see our Master Schedule and On-Line Schedule.**