



### 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

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.

## Minneapolis, MN

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

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

Feb 18 - 21  
Apr 7 - 10  
Jun 9 - 12  
Aug 4 - 7  
Oct 13 - 16  
Dec 1 - 4

Recertifications (Req. 24 mos.)

Feb 24 - 25  
May 12 - 13  
Aug 11 - 12  
Oct 20 - 21

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

Certification and Recertifications (Req. 24 mos.)

Feb 18 - 20  
Apr 7 - 9  
Jun 9 - 11  
Aug 4 - 6  
Oct 13 - 15  
Dec 1 - 3

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

Feb 18 - 21  
Apr 7 - 10  
Jun 9 - 12  
Aug 4 - 7  
Oct 13 - 16  
Dec 1 - 4

Recertifications (Req. 24 mos.)

Feb 24 - 25  
May 12 - 13  
Aug 11 - 12  
Oct 20 - 21

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

Apr 11  
Jun 13  
Aug 8  
Oct 17  
Dec 5

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

Jan 13 - 17  
Mar 17 - 21  
May 5 - 9  
Jul 7 - 11  
Sep 22 - 26  
Nov 10 - 14

Recertifications (Req. 24 mos.)

Feb 26 - 27  
May 14 - 15  
Aug 13 - 14  
Oct 22 - 23

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

Certification and Recertifications (Req. 24 mos.)

Jan 13 - 17  
Mar 17 - 21  
May 5 - 9  
Jul 7 - 11  
Sep 22 - 26  
Nov 10 - 14

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

Jan 13 - 17  
Mar 17 - 21  
May 5 - 9  
Jul 7 - 11  
Sep 22 - 26  
Nov 10 - 14

Recertifications (Req. 24 mos.)

Feb 26 - 27  
May 14 - 15  
Aug 13 - 14  
Oct 22 - 23

### J-STD-001 CIT, CIS & CSE Space Addendum Certification

Feb 28  
May 16  
Aug 15  
Oct 24

### IPC-A-620 Certified IPC Trainer (CIT)

Jan 6 - 9  
Mar 10 - 13  
May 19 - 22  
Jul 14 - 17  
Sep 8 - 11  
Nov 3 - 6

Recertifications (Req. 24 mos.)

Mar 24 - 25  
Jun 23 - 24  
Sep 3 - 4

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

Certification and Recertifications (Req. 24 mos.)

Jan 6 - 9  
Mar 10 - 13  
May 19 - 22  
Jul 14 - 17  
Sep 8 - 11  
Nov 3 - 6

### IPC-A-620 Certified Standards Expert (CSE)

Jan 6 - 9  
Mar 10 - 13  
May 19 - 22  
Jul 14 - 17  
Sep 8 - 11  
Nov 3 - 6

Recertifications (Req. 24 mos.)

Mar 24 - 25  
Jun 23 - 24  
Sep 3 - 4

### EPTAC's Hands-on Cable & Wire Harness Lab

Mar 14  
May 23  
Jul 18  
Sep 12  
Nov 7

### IPC-7711/7721 Certified IPC Trainer (CIT)

Feb 10 - 14  
Jun 2 - 6  
Aug 25 - 29  
Nov 17 - 21

Recertifications (Req. 24 mos.)

Jan 20 - 21  
Apr 14 - 15  
Jul 21 - 22  
Oct 27 - 28

### IPC-7711/7721 Certified IPC Specialist (CIS)

Feb 10 - 14  
Jun 2 - 6  
Aug 25 - 29  
Nov 17 - 21

Recertifications (Req. 24 mos.)

Jan 20 - 21  
Apr 14 - 15  
Jul 21 - 22  
Oct 27 - 28

### IPC-7711/7721 Certified Standards Expert (CSE)

Feb 10 - 14  
Jun 2 - 6  
Aug 25 - 29  
Nov 17 - 21

Recertifications (Req. 24 mos.)

Jan 20 - 21  
Apr 14 - 15  
Jul 21 - 22  
Oct 27 - 28

### Hand Soldering Certification

Feb 3 - 7  
Apr 21 - 25  
Jun 16 - 20  
Aug 18 - 22  
Oct 6 - 10  
Dec 8 - 12

Recertifications (Req. 24 mos.)

Mar 26  
Jul 23  
Sep 5

### Advanced SMT Micro Hand Soldering Certification

Apr 16 - 17  
Dec 15 - 16

To view all of the available classes, please see our Master Schedule.