



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

Minneapolis, MN

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

IPC-A-610 Certified IPC Trainer (CIT)

Feb 22 - 25
May 16 - 19
Aug 15 - 18
Oct 31 - Nov 3

Recertifications (Req. 24 mos.)

Jan 18 - 19
May 10 - 11
Aug 9 - 10
Nov 14 - 15

IPC-A-610 Certified Standards Expert (CSE)

Feb 22 - 25
May 16 - 19
Aug 15 - 18
Oct 31 - Nov 3

Recertifications (Req. 24 mos.)

Jan 18 - 19
May 10 - 11
Aug 9 - 10
Nov 14 - 15

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

Nov 4

J-STD-001 Certified IPC Trainer (CIT)

Mar 21 - 25
Jun 20 - 24
Sep 12 - 16

Recertifications (Req. 24 mos.)

Jan 20 - 21
May 12 - 13
Aug 11 - 12
Nov 16 - 17

J-STD-001 Certified Standards Expert (CSE)

Mar 21 - 25
Jun 20 - 24
Sep 12 - 16

Recertifications (Req. 24 mos.)

Jan 20 - 21
May 12 - 13
Aug 11 - 12
Nov 16 - 17

IPC-A-620 Certified IPC Trainer (CIT)

Apr 18 - 21
Jun 6 - 9
Sep 19 - 22
Nov 29 - Dec 2

Recertifications (Req. 24 mos.)

Jan 31 - Feb 1
Jul 11 - 12
Oct 27 - 28

IPC-A-620 Certified Standards Expert (CSE)

Apr 18 - 21
Jun 6 - 9
Sep 19 - 22
Nov 29 - Dec 2

Recertifications (Req. 24 mos.)

Jan 31 - Feb 1
Jul 11 - 12
Oct 27 - 28

IPC-A-620 Hands-on Labs

Apr 22
Jun 10

IPC-7711/7721 Certified IPC Trainer (CIT)

Jan 24 - 28
May 2 - 6
Dec 5 - 9

Recertifications (Req. 24 mos.)

Mar 17 - 18
Jul 13 - 14

IPC-7711/7721 Certified Standards Expert (CSE)

Jan 24 - 28
May 2 - 6
Dec 5 - 9

Recertifications (Req. 24 mos.)

Mar 17 - 18
Jul 13 - 14

Hand Soldering Certification

Feb 14 - 18
Aug 1 - 5
Oct 17 - 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.