



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 17 - 20
Aug 16 - 19
Nov 1 - 4

Recertifications (Req. 24 mos.)

Jan 19 - 20
May 11 - 12
Aug 10 - 11
Nov 15 - 16

IPC-A-610 Certified Standards Expert (CSE)

Feb 22 - 25
May 17 - 20
Aug 16 - 19
Nov 1 - 4

Recertifications (Req. 24 mos.)

Jan 19 - 20
May 11 - 12
Aug 10 - 11
Nov 15 - 16

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

Feb 26
Nov 5

J-STD-001 Certified IPC Trainer (CIT)

Mar 8 - 12
Jun 21 - 25
Sep 13 - 17

Recertifications (Req. 24 mos.)

Jan 21 - 22
May 13 - 14
Aug 12 - 13
Nov 17 - 18

J-STD-001 Certified Standards Expert (CSE)

Mar 8 - 12
Jun 21 - 25
Sep 13 - 17

Recertifications (Req. 24 mos.)

Jan 21 - 22
May 13 - 14
Aug 12 - 13
Nov 17 - 18

IPC-A-620 Certified IPC Trainer (CIT)

Apr 19 - 22
Jun 7 - 10
Sep 20 - 23
Nov 30 - Dec 3

Recertifications (Req. 24 mos.)

Feb 1 - 2
Jul 19 - 20
Oct 28 - 29

IPC-A-620 Certified IPC Specialist (CIS)

Apr 19 - 22
Jun 7 - 10
Sep 20 - 23
Nov 30 - Dec 3

Recertifications (Req. 24 mos.)

Feb 1 - 2
Jul 19 - 20
Oct 28 - 29

IPC-A-620 Certified Standards Expert (CSE)

Apr 19 - 22
Jun 7 - 10
Sep 20 - 23
Nov 30 - Dec 3

Recertifications (Req. 24 mos.)

Feb 1 - 2
Jul 19 - 20
Oct 28 - 29

IPC-A-620 Hands-on Labs

Apr 23
Jun 11

IPC-A-600 Certified IPC Trainer (CIT)

Mar 3 - 5
Jun 1 - 3
Oct 25 - 27

Recertifications (Req. 24 mos.)

Mar 3 - 5
Jun 1 - 3
Oct 25 - 27

IPC-A-600 Certified Standards Expert (CSE)

Mar 3 - 5
Jun 1 - 3
Oct 25 - 27

Recertifications (Req. 24 mos.)

Mar 3 - 5
Jun 1 - 3
Oct 25 - 27

IPC-7711/7721 Certified IPC Trainer (CIT)

Jan 25 - 29
May 3 - 7
Dec 6 - 10

Recertifications (Req. 24 mos.)

Mar 18 - 19
Jul 14 - 15

IPC-7711/7721 Certified Standards Expert (CSE)

Jan 25 - 29
May 3 - 7
Dec 6 - 10

Recertifications (Req. 24 mos.)

Mar 18 - 19
Jul 14 - 15

Hand Soldering Certification

Feb 8 - 12
Apr 12 - 16
Aug 2 - 6
Oct 11 - 15

Advanced SMT Micro Hand Soldering Certification

Feb 3 - 4
Jul 12 - 13
Oct 7 - 8

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.