



### 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

## Rochester, New York

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

### IPC-A-610 Certified IPC Trainer

Become certified to train your workforce to identify accept/reject criteria for all three classes of assembly production.

Mar 23 - 26  
Jun 23 - 26  
Nov 16 - 19

#### Recertifications (Req. 24 mos.)

Feb 10 - 11  
May 18 - 19  
Sep 21 - 22

### IPC-A-610 Certified IPC Specialist

Learn the accept/reject criteria for all three classes of assembly production as published in the most widely used inspection specification, IPC-A-610.

Mar 23 - 25  
Jun 23 - 25  
Nov 16 - 18

#### Recertifications (Req. 24 mos.)

Mar 23 - 25  
Jun 23 - 25  
Nov 16 - 18

### IPC-A-610 Standard Expert

Become a subject matter expert in IPC-A-610.

Mar 23 - 26  
Jun 23 - 26  
Nov 16 - 19

### Interactive PCB Inspection Lab

**(optional)** Hands-on inspection of real PCB assemblies and application of accept/reject criteria.

Mar 27  
Nov 20

### J-STD-001 Certified IPC Trainer

Acquire the skills, instructional materials and industry certification to deliver IPC's J-STD-001 Operator Training program.

Feb 24 - 28  
Jun 1 - 5  
Oct 19 - 23

#### Recertifications (Req. 24 mos.)

Feb 12 - 13  
May 20 - 21  
Sep 23 - 24

### J-STD-001 Space Addendum Certified IPC Trainer

**(optional)**  
May 22

#### Recertifications (Req. 24 mos.)

May 22

### J-STD-001 Certified IPC Specialist

Interpret the J-STD-001 specification in 5 one-day modules: Theory, Wires & Terminals, Through-Hole, Surface Mount and Inspection

Feb 24 - 28  
Jun 1 - 5  
Oct 19 - 23

#### Recertifications (Req. 24 mos.)

Feb 24 - 28  
Jun 1 - 5  
Oct 19 - 23

### J-STD-001 Space Addendum Certified IPC Specialist

**(optional)**  
May 22

#### Recertifications (Req. 24 mos.)

May 22

### J-STD-001 Standard Expert

Become a subject matter expert in J-STD-001.

Feb 24 - 28  
Jun 1 - 5  
Oct 19 - 23

### IPC-A-620 Certified IPC Trainer

Become an expert in the quality standards of Wire, Cable and Harness, and be certified for inspection and instruction.

Apr 13 - 16  
Aug 17 - 20  
Dec 7 - 10

#### Recertifications (Req. 24 mos.)

Feb 6 - 7  
Jun 29 - 30  
Oct 1 - 2

### IPC-A-620 Certified IPC Specialist

Learn assembly requirements and accept/reject criteria for all three classes of cable and wire harness assembly.

Apr 13 - 16  
Aug 17 - 20  
Dec 7 - 10

#### Recertifications (Req. 24 mos.)

Apr 13 - 16  
Aug 17 - 20  
Dec 7 - 10

### IPC-A-620 Standard Expert

Become a subject matter expert in IPC-A-620.

Apr 13 - 16  
Aug 17 - 20  
Dec 7 - 10

### IPC-A-620 Hands On Labs **(optional)**

Additional day of hands-on labs in which students perform necessary procedures for building an entire wire harness assembly

Apr 17  
Aug 21  
Dec 11

### Hand Soldering Certification

Introduces the basics of soldering, terms & definitions and equipment familiarization. Wires and Terminals, and Through-Hole Soldering and Rework is taught through hands-on construction and inspection of two Through-Hole boards. Students learn the accept/reject criteria for Surface Mount Assembly and Rework first hand through the construction, inspection and rework of a surface mount board.

#### Lead and Lead-free included.

Jan 27 - 31  
Apr 20 - 24  
Jul 27 - 31  
Nov 30 - Dec 4

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.