



### 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

## Watertown, Connecticut

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

### IPC-A-610 Certified IPC Trainer

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

Jan 13 - 16  
Apr 20 - 23  
Jul 7 - 10  
Oct 5 - 8

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

Feb 18 - 19  
May 11 - 12  
Aug 3 - 4  
Nov 16 - 17

### 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.

Jan 13 - 15  
Apr 20 - 22  
Jul 7 - 9  
Oct 5 - 7

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

Jan 13 - 15  
Apr 20 - 22  
Jul 7 - 9  
Oct 5 - 7

### Interactive PCB Inspection Lab

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

Jan 17  
Apr 24  
Oct 9

### IPC-A-610 Standard Expert

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

Jan 13 - 16  
Apr 20 - 23  
Jul 7 - 10  
Oct 5 - 8

### 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 10 - 14  
May 18 - 22  
Jun 22 - 26  
Aug 17 - 21  
Nov 2 - 6

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

Feb 20 - 21  
May 13 - 14  
Aug 5 - 6  
Nov 18 - 19

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

(optional)  
May 15  
Aug 7

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

May 15  
Aug 7

### 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 10 - 14  
May 18 - 22  
Jun 22 - 26  
Aug 17 - 21  
Nov 2 - 6

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

Feb 10 - 14  
May 18 - 22  
Jun 22 - 26  
Aug 17 - 21  
Nov 2 - 6

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

(optional)  
May 15  
Aug 7

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

May 15  
Aug 7

### J-STD-001 Standard Expert

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

Feb 10 - 14  
May 18 - 22  
Aug 17 - 21  
Nov 2 - 6

### IPC-A-600 Certified IPC Specialist

Learn quality standards of PCBs and be certified for inspection of bare boards.

Mar 25 - 27  
Oct 14 - 16

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

Mar 25 - 27  
Oct 14 - 16

### 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.

Jan 21 - 24  
Apr 13 - 16  
Jul 20 - 23  
Dec 14 - 17

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

Mar 23 - 24  
Jun 11 - 12  
Oct 12 - 13

### IPC-A-620 Certified IPC Specialist

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

Jan 21 - 24  
Apr 13 - 16  
Jul 20 - 23  
Dec 14 - 17

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

Jan 21 - 24  
Apr 13 - 16  
Jul 20 - 23  
Dec 14 - 17

### IPC-A-620 Standard Expert

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

Jan 21 - 24  
Apr 13 - 16  
Jul 20 - 23  
Dec 14 - 17

### 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

Jul 24  
Dec 18

### IPC-7711/7721 Certified IPC Trainer

Become qualified to instruct operators in the required knowledge and skills for component rework and bare board repair.

Mar 2 - 6  
Sep 28 - Oct 2

### IPC-7711/7721 Certified IPC Specialist

Learn general requirements and practice damage-free removal and replacement techniques for wires and terminals, through-hole components and surface mount components. Develop advanced skills for repairing PWBs, including conductor/land repair, lifted conductor/land/lead repair and base material.

Mar 2 - 6  
Sep 28 - Oct 2

### IPC-7711/7721 Standard Expert

Become a subject matter expert in IPC-7711 and IPC-7721.

Mar 2 - 6  
Sep 28 - Oct 2

### 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.

Mar 9 - 13  
Jun 15 - 19  
Sep 21 - 25  
Dec 7 - 11

#### Recertifications

Apr 17

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.

