



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

Hand Soldering Certification

J-STD-001 "Requirements for Soldered Electrical & Electronic Assemblies"

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.

Hand Soldering Certification

Jan 6 - 10	Manchester, NH	Jul 21 - 25	Toronto, ON
Jan 6 - 10	Philadelphia, PA	Jul 21 - 25	Portland, OR
Jan 13 - 17	Palm Bay, FL	Jul 28 - Aug 1	Palm Bay, FL
Jan 20 - 24	Seattle, WA	Jul 28 - Aug 1	Manchester, NH
Jan 20 - 24	Watertown, CT	Aug 4 - 8	Schaumburg, IL
Jan 27 - 31	Schaumburg, IL	Aug 4 - 8	Long Island, NY
Jan 27 - 31	Syracuse, NY	Aug 11 - 15	Rochester, NY
Feb 3 - 7	Minneapolis, MN	Aug 11 - 15	Toronto, ON
Feb 3 - 7	Manchester, NH	Aug 11 - 15	San Jose, CA
Feb 3 - 7	Buffalo, NY	Aug 18 - 22	Manchester, NH
Feb 10 - 14	Binghamton, NY	Aug 18 - 22	Minneapolis, MN
Feb 10 - 14	Schaumburg, IL	Aug 18 - 22	Buffalo, NY
Feb 24 - 28	San Jose, CA	Sep 8 - 12	Atlanta, GA
Feb 24 - 28	Toronto, ON	Sep 8 - 12	Anaheim, CA
Feb 24 - 28	Manchester, NH	Sep 8 - 12	Kansas City, MO
Mar 3 - 7	San Diego, CA	Sep 15 - 19	Manchester, NH
Mar 3 - 7	Atlanta, GA	Sep 15 - 19	Seattle, WA
Mar 3 - 7	Long Island, NY	Sep 15 - 19	Schaumburg, IL
Mar 10 - 14	Seattle, WA	Sep 15 - 19	Watertown, CT
Mar 10 - 14	Schaumburg, IL	Sep 22 - 26	San Diego, CA
Mar 10 - 14	Watertown, CT	Sep 22 - 26	Toronto, ON
Mar 17 - 21	San Jose, CA	Sep 22 - 26	San Jose, CA
Mar 17 - 21	Toronto, ON	Sep 22 - 26	Philadelphia, PA
Mar 17 - 21	Rochester, NY	Sep 29 - Oct 3	Manchester, NH
Mar 17 - 21	Manchester, NH	Sep 29 - Oct 3	Ottawa, ON
Mar 24 - 28	Anaheim, CA	Oct 6 - 10	San Jose, CA
Mar 24 - 28	Portland, OR	Oct 6 - 10	Minneapolis, MN
Mar 31 - Apr 4	Palm Bay, FL	Oct 13 - 17	Palm Bay, FL
Apr 7 - 11	Manchester, NH	Oct 13 - 17	Syracuse, NY
Apr 7 - 11	Kansas City, MO	Oct 20 - 24	Manchester, NH
Apr 7 - 11	Schaumburg, IL	Oct 20 - 24	Schaumburg, IL
Apr 14 - 18	Syracuse, NY	Oct 20 - 24	Pittsburgh, PA
Apr 21 - 25	Minneapolis, MN	Oct 27 - 31	Binghamton, NY
Apr 28 - May 2	San Jose, CA	Nov 3 - 7	Toronto, ON
Apr 28 - May 2	Pittsburgh, PA	Nov 3 - 7	Seattle, WA
Apr 28 - May 2	Manchester, NH	Nov 10 - 14	Schaumburg, IL
May 12 - 16	Buffalo, NY	Nov 10 - 14	Buffalo, NY
May 12 - 16	Ottawa, ON	Nov 10 - 14	Manchester, NH
May 12 - 16	Toronto, ON	Nov 17 - 21	San Jose, CA
May 12 - 16	Seattle, WA	Nov 17 - 21	Watertown, CT
May 12 - 16	Watertown, CT	Dec 1 - 5	San Diego, CA
May 12 - 16	Philadelphia, PA	Dec 1 - 5	Schaumburg, IL
May 19 - 23	San Diego, CA	Dec 8 - 12	Rochester, NY
May 19 - 23	Schaumburg, IL	Dec 8 - 12	Minneapolis, MN
Jun 2 - 6	Toronto, ON	Dec 8 - 12	San Jose, CA
Jun 2 - 6	Binghamton, NY	Dec 15 - 19	Portland, OR
Jun 2 - 6	San Jose, CA	Dec 15 - 19	Manchester, NH
Jun 9 - 13	Manchester, NH	Dec 15 - 19	Anaheim, CA
Jun 9 - 13	Schaumburg, IL		
Jun 16 - 20	Minneapolis, MN		
Jul 7 - 11	Manchester, NH		
Jul 7 - 11	Seattle, WA		
Jul 7 - 11	San Diego, CA		
Jul 14 - 18	Schaumburg, IL		
Jul 14 - 18	Pittsburgh, PA		
Jul 14 - 18	San Jose, CA		
Jul 21 - 25	Anaheim, CA		

Hand Soldering Recertification

Jan 3	San Jose, CA	Jun 13	San Diego, CA
Jan 3	Manchester, NH	Jun 18	Manchester, NH
Jan 10	San Diego, CA	Jun 19	Schaumburg, IL
Jan 24	Schaumburg, IL	Jul 2	Manchester, NH
Jan 24	Kansas City, MO	Jul 4	Toronto, ON
Feb 14	Rochester, NY	Jul 23	Minneapolis, MN
Feb 21	Seattle, WA	Jul 25	Rochester, NY
Mar 10	San Diego, CA	Aug 6	Manchester, NH
Mar 14	Manchester, NH	Sep 5	Minneapolis, MN
Mar 26	Minneapolis, MN	Sep 5	San Jose, CA
Mar 26	Watertown, CT	Oct 1	Toronto, ON
Mar 27	Schaumburg, IL	Oct 1	Watertown, CT
Mar 28	San Jose, CA	Oct 10	San Diego, CA
Apr 4	Manchester, NH	Oct 10	Manchester, NH
Apr 28	Anaheim, CA	Oct 17	Schaumburg, IL
May 23	Toronto, ON	Oct 24	Seattle, WA
May 27	Manchester, NH	Nov 20	Manchester, NH
May 30	San Jose, CA	Dec 12	Kansas City, MO
Jun 13	Watertown, CT		

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.