



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

J-STD-001 Certified IPC Specialist (CIS)

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

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

J-STD-001 CIS Certification & Recertification

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

J-STD-001 CIS Space Addendum Certification & Recertification

Jan 10 Toronto, ON	Aug 15 Minneapolis, MN
Jan 10 Palm Bay, FL	Aug 22 Schaumburg, IL
Jan 10 Manchester, NH	Sep 12 Toronto, ON
Jan 17 Watertown, CT	Sep 29 Manchester, NH
Feb 7 San Jose, CA	Oct 17 San Jose, CA
Feb 28 Minneapolis, MN	Oct 24 Minneapolis, MN
Mar 7 Manchester, NH	Oct 31 Anaheim, CA
Mar 7 Rochester, NY	Nov 7 Watertown, CT
Apr 18 Manchester, NH	Nov 7 Schaumburg, IL
Apr 18 Seattle, WA	Nov 14 Manchester, NH
Apr 18 San Jose, CA	Nov 21 Toronto, ON
Apr 18 Schaumburg, IL	Dec 22 Manchester, NH
Apr 25 Watertown, CT	
May 2 Toronto, ON	
May 9 Manchester, NH	
May 16 Minneapolis, MN	
Jul 11 Manchester, NH	
Jul 18 Toronto, ON	
Aug 1 Watertown, CT	

ON-LINE Start time: 10am E.S.T.

Jan 17	May 2	Sep 5
Feb 21	Jun 20	Oct 24
Mar 7	Jul 18	Nov 7
Apr 16	Aug 8	Dec 19

Challenge Test IN-PERSON Manchester, NH

Jan 3	Feb 14	Apr 11	Jun 6	Aug 7	Oct 17	Dec 22
Jan 24	Feb 26	May 9	Jun 19	Sep 12	Nov 7	

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.