



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

IPC-7711/7721 Certified IPC Specialist (CIS)

IPC-7711 "Rework of Electronic Assemblies"

IPC-7721 "Repair & Modification of Printed Boards and Electronic Assemblies"

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

IPC-7711/7721 CIS Certification

Jan 19 - 23 . . . Markham, ON	Jul 20 - 24 . . . Watertown, CT
Jan 26 - 30 . . . Santa Clara, CA	Aug 3 - 7 . . . Markham, ON
Feb 9 - 13 . . . Salem, NH	Aug 10 - 14 . . . Salem, NH
Mar 2 - 6 . . . Watertown, CT	Aug 24 - 28 . . . Santa Clara, CA
Mar 9 - 13 . . . Markham, ON	Aug 24 - 28 . . . Shoreview, MN
Mar 23 - 26 . . . Palm Bay, FL	Oct 5 - 9 . . . Watertown, CT
Mar 23 - 27 . . . Shoreview, MN	Oct 19 - 23 . . . Santa Clara, CA
Apr 6 - 10 . . . Salem, NH	Oct 19 - 23 . . . Markham, ON
Apr 6 - 10 . . . Santa Clara, CA	Oct 26 - 30 . . . Salem, NH
Apr 20 - 24 . . . Schaumburg, IL	Oct 26 - 30 . . . Schaumburg, IL
Jun 1 - 5 . . . Salem, NH	Nov 16 - 20 . . . Shoreview, MN
Jun 1 - 5 . . . Shoreview, MN	Nov 30 - Dec 4 Salem, NH
Jun 8 - 12 . . . Markham, ON	Dec 7 - 11 . . . Markham, ON
Jun 8 - 12 . . . Santa Clara, CA	Dec 14 - 17 . . . Palm Bay, FL
Jul 6 - 10 . . . Schaumburg, IL	

IPC-7711/7721 CIS Recertification

Jan 19 - 20 . . . Shoreview, MN	Jun 29 - 30 . . . Santa Clara, CA
Jan 29 - 30 . . . Salem, NH	Jul 20 - 21 . . . Shoreview, MN
Feb 2 - 3 . . . Palm Bay, FL	Jul 29 - 30 . . . Salem, NH
Feb 12 - 13 . . . Markham, ON	Jul 30 - 31 . . . Schaumburg, IL
Feb 19 - 20 . . . Schaumburg, IL	Sep 2 - 3 . . . Salem, NH
Mar 25 - 26 . . . Santa Clara, CA	Sep 10 - 11 . . . Markham, ON
Mar 31 - Apr 1 Salem, NH	Oct 26 - 27 . . . Shoreview, MN
Apr 13 - 14 . . . Shoreview, MN	Nov 12 - 13 . . . Markham, ON
May 4 - 5 . . . Markham, ON	Nov 16 - 17 . . . Palm Bay, FL
May 27 - 28 . . . Santa Clara, CA	Nov 23 - 24 . . . Salem, NH
May 28 - 29 . . . Salem, NH	Nov 23 - 24 . . . Santa Clara, CA
May 28 - 29 . . . Schaumburg, IL	Nov 23 - 24 . . . Schaumburg, IL
Jun 8 - 9 . . . Palm Bay, FL	Nov 23 - 24 . . . Watertown, CT
Jun 10 - 11 . . . 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.