



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 Standards Expert (CSE)

IPC-7711 "Rework of Electronic Assemblies"

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

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

IPC-7711/7721 CSE Certification

Jan 20 - 24 ... San Jose, CA	Jul 14 - 17 ... Palm Bay, FL
Jan 20 - 24 ... Toronto, ON	Jul 21 - 25 ... Watertown, CT
Feb 10 - 14 ... Manchester, NH	Aug 11 - 15 ... Manchester, NH
Feb 10 - 14 ... Minneapolis, MN	Aug 25 - 29 ... San Jose, CA
Feb 17 - 20 ... Palm Bay, FL	Aug 25 - 29 ... Minneapolis, MN
Mar 3 - 7 ... Schaumburg, IL	Oct 6 - 10 ... Watertown, CT
Mar 3 - 7 ... Watertown, CT	Oct 20 - 24 ... San Jose, CA
Mar 10 - 14 ... Toronto, ON	Oct 20 - 24 ... Toronto, ON
Apr 7 - 11 ... San Jose, CA	Oct 27 - 31 ... Manchester, NH
Apr 21 - 25 ... Manchester, NH	Oct 27 - 31 ... Schaumburg, IL
Jun 2 - 6 ... Manchester, NH	Nov 17 - 21 ... Minneapolis, MN
Jun 2 - 6 ... Minneapolis, MN	Dec 1 - 5 ... Manchester, NH
Jun 9 - 13 ... Toronto, ON	Dec 8 - 12 ... Toronto, ON
Jun 9 - 13 ... San Jose, CA	Dec 15 - 18 ... Palm Bay, FL
Jul 7 - 11 ... Schaumburg, IL	Dec 15 - 19 ... San Jose, CA

IPC-7711/7721 CSE Recertification

Jan 20 - 21 ... Minneapolis, MN	Jun 30 - Jul 1 ... Manchester, NH
Jan 30 - 31 ... Manchester, NH	Jul 7 - 8 ... San Jose, CA
Feb 3 - 4 ... Palm Bay, FL	Jul 21 - 22 ... Minneapolis, MN
Feb 13 - 14 ... Toronto, ON	Aug 7 - 8 ... Toronto, ON
Feb 20 - 21 ... Schaumburg, IL	Aug 4 - 5 ... Manchester, NH
Mar 26 - 27 ... San Jose, CA	Sep 3 - 4 ... Schaumburg, IL
Mar 31 - Apr 1 ... Manchester, NH	Sep 22 - 23 ... Manchester, NH
Apr 14 - 15 ... Minneapolis, MN	Oct 27 - 28 ... Minneapolis, MN
Apr 28 - 29 ... Schaumburg, IL	Nov 17 - 18 ... Palm Bay, FL
May 5 - 6 ... Toronto, ON	Nov 24 - 25 ... San Jose, CA
May 28 - 29 ... San Jose, CA	Nov 24 - 25 ... Schaumburg, IL
May 29 - 30 ... Manchester, NH	Nov 24 - 25 ... Toronto, ON
Jun 9 - 10 ... Palm Bay, FL	Nov 24 - 25 ... Watertown, CT
Jun 11 - 12 ... Watertown, CT	Nov 24 - 25 ... Manchester, NH

Challenge Test

IN-PERSON Manchester, NH

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

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

Jan 8	May 14	Sep 17
Jan 22	May 28	Oct 1
Feb 5	Jun 11	Oct 15
Feb 19	Jun 25	Oct 29
Mar 5	Jul 9	Nov 12
Mar 19	Jul 23	Nov 24
Apr 2	Aug 6	Dec 10
Apr 16	Aug 20	Dec 22
Apr 30	Sep 3	

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Mar 19	Jul 23	Nov 24
Apr 2	Aug 6	Dec 10
Apr 16	Aug 20	Dec 22
Apr 30	Sep 3	

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.