



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 10 - 13 ... Palm Bay, FL	Oct 24 - 28 ... Schaumburg, IL
Jan 10 - 14 ... Seattle, WA	Oct 24 - 28 ... Manchester, NH
Jan 24 - 28 ... Minneapolis, MN	Nov 14 - 17 ... Palm Bay, FL
Jan 24 - 28 ... Manchester, NH	Nov 28 - Dec 2 Manchester, NH
Mar 7 - 11 ... Schaumburg, IL	Nov 28 - Dec 2 San Jose, CA
Mar 7 - 11 ... Toronto, ON	Dec 5 - 9 ... Minneapolis, MN
Apr 4 - 8 ... San Jose, CA	Dec 5 - 9 ... Toronto, ON
Apr 18 - 22 ... Manchester, NH	Dec 12 - 16 ... Seattle, WA
May 2 - 6 ... Minneapolis, MN	
Jun 6 - 10 ... Toronto, ON	
Jun 6 - 10 ... Seattle, WA	
Jun 13 - 16 ... Palm Bay, FL	
Jun 20 - 24 ... Schaumburg, IL	
Jul 18 - 22 ... Manchester, NH	
Aug 8 - 12 ... San Jose, CA	
Aug 22 - 26 ... Manchester, NH	
Oct 17 - 21 ... Toronto, ON	

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

FOR LECTURE AND EXAM ONLY*

Jan 24 - 26
Apr 13 - 15
Jul 6 - 8
Oct 10 - 12
Dec 19 - 21

Challenge Test

Jan 7 ... Manchester, NH
Jan 31 ... Manchester, NH
Feb 25 ... Manchester, NH
Mar 11 ... Manchester, NH
Apr 1 ... Manchester, NH
May 6 ... Manchester, NH
May 20 ... Manchester, NH
Jun 29 ... Manchester, NH
Jul 21 ... Manchester, NH
Aug 5 ... Manchester, NH
Sep 22 ... Manchester, NH
Oct 20 ... Manchester, NH
Nov 18 ... Manchester, NH
Dec 19 ... Manchester, NH

Challenge Test

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

Jan 5	Jul 6
Jan 19	Jul 20
Feb 2	Aug 3
Feb 16	Aug 17
Mar 2	Aug 31
Mar 16	Sep 14
Mar 30	Sep 28
Apr 13	Oct 12
Apr 27	Oct 26
May 11	Nov 9
May 25	Nov 22
Jun 8	Dec 7
Jun 22	Dec 21

IPC-7711/7721 CSE Recertification

Jan 19 - 20 ... Seattle, WA	Jul 13 - 14 ... Minneapolis, MN
Jan 31 - Feb 1 ... Palm Bay, FL	Aug 15 - 16 ... Manchester, NH
Feb 3 - 4 ... Manchester, NH	Sep 1 - 2 ... Toronto, ON
Feb 24 - 25 ... Schaumburg, IL	Sep 14 - 15 ... Schaumburg, IL
Feb 24 - 25 ... Toronto, ON	Sep 26 - 27 ... Manchester, NH
Mar 17 - 18 ... Minneapolis, MN	Oct 17 - 18 ... Palm Bay, FL
Mar 28 - 29 ... Manchester, NH	Nov 7 - 8 ... Manchester, NH
May 2 - 3 ... Toronto, ON	Nov 14 - 15 ... Toronto, ON
May 23 - 24 ... Manchester, NH	Dec 12 - 13 ... Schaumburg, IL
Jun 27 - 28 ... Manchester, NH	

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Jun 22	Dec 21

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.