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

CABLE & WIRE HARNESS TECHNOLOGY

**Quality & Inspection**
- IPC-A-620 Instructor & Operator Certification

**Hands-On Labs**
- Crimping & Harness Assembly Training

COUNTERFEIT COMPONENTS

**IDEA-STD-1010**
- Seminars & Workshops
- IDEA-STD-1010 Essentials
- SAE AS5553 Counterfeit Electronics

TECHNICAL SUPPORT
- Manufacturing Start-Up
- Process Evaluation
- Subcontractor Qualification
- Equipment Evaluation
- Lead-Free, ESD, Process and Quality Audits

# IPC-6012 Certified Standard Expert (CSE)

**IPC-6012 "Qualification and Performance Specification for Rigid Printed Boards"**

*Learn the qualification and performance requirements for rigid printed boards.*

## IPC-6012 CSE Certification & Recertification

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

Mar 29 - Apr 1
Jul 12 - 15
Oct 25 - 28

## Challenge Test

**IN-PERSON**

| | | | |
|---|---|---|---|
| Jan 27 | Salem, NH | Jun 18 | Salem, NH |
| Feb 25 | Salem, NH | Aug 5 | Salem, NH |
| Mar 29 | Salem, NH | Sep 3 | Salem, NH |
| Mar 31 | Santa Clara, CA | Sep 7 | Santa Clara, CA |
| Apr 9 | Salem, NH | Oct 15 | Salem, NH |
| Apr 27 | Salem, NH | Nov 22 | Salem, NH |
| Jun 2 | Salem, NH | Nov 24 | Santa Clara, CA |
| Jun 4 | Santa Clara, CA | Dec 21 | Salem, NH |
| Jun 11 | Salem, NH | | |

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

| | | |
|---|---|---|
| Jan 6 | May 12 | Sep 15 |
| Jan 20 | May 26 | Sep 29 |
| Feb 3 | Jun 9 | Oct 13 |
| Feb 17 | Jun 23 | Oct 27 |
| Mar 3 | Jul 7 | Nov 10 |
| Mar 17 | Jul 21 | Nov 22 |
| Mar 31 | Aug 4 | Dec 8 |
| Apr 14 | Aug 18 | Dec 20 |
| Apr 28 | Sep 1 | |

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.