



### 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

## California San Diego, Anaheim & San Jose

Please contact us for additional locations and on-site training opportunities in your area.

### IPC-A-610 Certified IPC Trainer (CIT)

Jan 30 - Feb 2 . . . San Diego, CA  
 Feb 13 - 16 . . . San Jose, CA  
 Feb 20 - 23 . . . Anaheim, CA  
 Apr 10 - 13 . . . San Diego, CA  
 Apr 17 - 20 . . . San Jose, CA  
 May 22 - 25 . . . Anaheim, CA  
 Jun 19 - 22 . . . San Jose, CA  
 Jul 24 - 27 . . . San Diego, CA  
 Aug 7 - 10 . . . San Jose, CA  
 Aug 28 - 31 . . . Anaheim, CA  
 Sep 18 - 21 . . . San Diego, CA  
 Oct 16 - 19 . . . San Jose, CA  
 Dec 11 - 14 . . . Anaheim, CA  
 Dec 18 - 21 . . . San Jose, CA

#### Recertifications (Req. 24 mos.)

Jan 16 - 17 . . . San Diego, CA  
 Jan 23 - 24 . . . Anaheim, CA  
 Feb 6 - 7 . . . San Jose, CA  
 Apr 24 - 25 . . . San Jose, CA  
 Jun 5 - 6 . . . San Jose, CA  
 Jun 12 - 13 . . . San Diego, CA  
 Jul 17 - 18 . . . Anaheim, CA  
 Aug 14 - 15 . . . San Jose, CA  
 Oct 9 - 10 . . . San Diego, CA  
 Oct 30 - 31 . . . San Jose, CA

### IPC-A-610 Certified IPC Specialist (CIS)

Jan 30 - Feb 1 . . . San Diego, CA  
 Feb 13 - 15 . . . San Jose, CA  
 Feb 20 - 22 . . . Anaheim, CA  
 Apr 10 - 12 . . . San Diego, CA  
 Apr 17 - 19 . . . San Jose, CA  
 May 22 - 24 . . . Anaheim, CA  
 Jun 19 - 21 . . . San Jose, CA  
 Jul 24 - 26 . . . San Diego, CA  
 Aug 7 - 9 . . . San Jose, CA  
 Aug 28 - 30 . . . Anaheim, CA  
 Sep 18 - 20 . . . San Diego, CA  
 Oct 16 - 18 . . . San Jose, CA  
 Dec 11 - 13 . . . Anaheim, CA  
 Dec 18 - 20 . . . San Jose, CA

#### Recertifications (Req. 24 mos.)

Jan 30 - Feb 1 . . . San Diego, CA  
 Feb 13 - 15 . . . San Jose, CA  
 Feb 20 - 22 . . . Anaheim, CA  
 Apr 10 - 12 . . . San Diego, CA  
 Apr 17 - 19 . . . San Jose, CA  
 May 22 - 24 . . . Anaheim, CA  
 Jun 19 - 21 . . . San Jose, CA  
 Jul 24 - 26 . . . San Diego, CA  
 Aug 7 - 9 . . . San Jose, CA  
 Aug 28 - 30 . . . Anaheim, CA  
 Sep 18 - 20 . . . San Diego, CA  
 Oct 16 - 18 . . . San Jose, CA  
 Dec 11 - 13 . . . Anaheim, CA  
 Dec 18 - 20 . . . San Jose, CA

### IPC-A-610 Certified Standards Expert (CSE)

Jan 30 - Feb 2 . . . San Diego, CA  
 Feb 13 - 16 . . . San Jose, CA  
 Feb 20 - 23 . . . Anaheim, CA  
 Apr 10 - 13 . . . San Diego, CA  
 Apr 17 - 20 . . . San Jose, CA  
 May 22 - 25 . . . Anaheim, CA  
 Jun 19 - 22 . . . San Jose, CA  
 Jul 24 - 27 . . . San Diego, CA  
 Aug 7 - 10 . . . San Jose, CA  
 Aug 28 - 31 . . . Anaheim, CA  
 Sep 18 - 21 . . . San Diego, CA  
 Oct 16 - 19 . . . San Jose, CA  
 Dec 11 - 14 . . . Anaheim, CA  
 Dec 18 - 21 . . . San Jose, CA

#### Recertifications (Req. 24 mos.)

Jan 16 - 17 . . . San Diego, CA  
 Jan 23 - 24 . . . Anaheim, CA  
 Feb 6 - 7 . . . San Jose, CA  
 Apr 24 - 25 . . . San Jose, CA  
 Jun 5 - 6 . . . San Jose, CA  
 Jun 12 - 13 . . . San Diego, CA  
 Jul 17 - 18 . . . Anaheim, CA  
 Aug 14 - 15 . . . San Jose, CA  
 Oct 9 - 10 . . . San Diego, CA  
 Oct 30 - 31 . . . San Jose, CA

### IPC-A-610 Interactive PCB Inspection Lab (CIT or CIS Option)

Feb 3 . . . . . San Diego, CA  
 Feb 17 . . . . . San Jose, CA  
 Feb 24 . . . . . Anaheim, CA  
 Apr 21 . . . . . San Jose, CA  
 May 26 . . . . . Anaheim, CA  
 Jun 23 . . . . . San Jose, CA  
 Jul 28 . . . . . San Diego, CA  
 Aug 11 . . . . . San Jose, CA  
 Sep 1 . . . . . Anaheim, CA  
 Sep 22 . . . . . San Diego, CA  
 Oct 20 . . . . . San Jose, CA  
 Dec 15 . . . . . Anaheim, CA

### J-STD-001 Certified IPC Trainer (CIT)

Jan 9 - 13 . . . . San Jose, CA  
 Jan 30 - Feb 3 . . . Anaheim, CA  
 Feb 20 - 24 . . . San Diego, CA  
 Mar 20 - 24 . . . San Jose, CA  
 Apr 17 - 21 . . . Anaheim, CA  
 May 8 - 12 . . . San Jose, CA  
 Jun 19 - 23 . . . San Diego, CA  
 Jul 10 - 14 . . . San Jose, CA  
 Jul 31 - Aug 4 . . . Anaheim, CA  
 Aug 21 - 25 . . . San Diego, CA  
 Sep 11 - 15 . . . San Jose, CA  
 Oct 16 - 20 . . . Anaheim, CA  
 Nov 6 - 10 . . . San Jose, CA  
 Nov 13 - 17 . . . San Diego, CA

#### Recertifications (Req. 24 mos.)

Jan 18 - 19 . . . San Diego, CA  
 Jan 25 - 26 . . . Anaheim, CA  
 Feb 8 - 9 . . . San Jose, CA  
 Apr 26 - 27 . . . San Jose, CA  
 Jun 7 - 8 . . . San Jose, CA  
 Jun 14 - 15 . . . San Diego, CA  
 Jul 19 - 20 . . . Anaheim, CA  
 Aug 16 - 17 . . . San Jose, CA  
 Oct 11 - 12 . . . San Diego, CA  
 Nov 1 - 2 . . . San Jose, CA

### J-STD-001 CIT Space Addendum Certification

See On-Line Class Schedule

#### Recertifications (Req. 24 mos.)

See On-Line Class Schedule

### J-STD-001 Certified IPC Specialist (CIS)

Jan 9 - 13 . . . . San Jose, CA  
 Jan 30 - Feb 3 . . . Anaheim, CA  
 Feb 20 - 24 . . . San Diego, CA  
 Mar 20 - 24 . . . San Jose, CA  
 Apr 17 - 21 . . . Anaheim, CA  
 May 8 - 12 . . . San Jose, CA  
 Jun 19 - 23 . . . San Diego, CA  
 Jul 10 - 14 . . . San Jose, CA  
 Jul 31 - Aug 4 . . . Anaheim, CA  
 Aug 21 - 25 . . . San Diego, CA  
 Sep 11 - 15 . . . San Jose, CA  
 Oct 16 - 20 . . . Anaheim, CA  
 Nov 6 - 10 . . . San Jose, CA  
 Nov 13 - 17 . . . San Diego, CA

#### Recertifications (Req. 24 mos.)

Jan 9 - 13 . . . . San Jose, CA  
 Jan 30 - Feb 3 . . . Anaheim, CA  
 Feb 20 - 24 . . . San Diego, CA  
 Mar 20 - 24 . . . San Jose, CA  
 Apr 17 - 21 . . . Anaheim, CA  
 May 8 - 12 . . . San Jose, CA  
 Jun 19 - 23 . . . San Diego, CA  
 Jul 10 - 14 . . . San Jose, CA  
 Jul 31 - Aug 4 . . . Anaheim, CA  
 Aug 21 - 25 . . . San Diego, CA  
 Sep 11 - 15 . . . San Jose, CA  
 Oct 16 - 20 . . . Anaheim, CA  
 Nov 6 - 10 . . . San Jose, CA  
 Nov 13 - 17 . . . San Diego, CA

### J-STD-001 Certified Standards Expert (CSE)

Jan 9 - 13 . . . . San Jose, CA  
 Jan 30 - Feb 3 . . . Anaheim, CA  
 Feb 20 - 24 . . . San Diego, CA  
 Mar 20 - 24 . . . San Jose, CA  
 Apr 17 - 21 . . . Anaheim, CA  
 May 8 - 12 . . . San Jose, CA  
 Jun 19 - 23 . . . San Diego, CA  
 Jul 10 - 14 . . . San Jose, CA  
 Jul 31 - Aug 4 . . . Anaheim, CA  
 Aug 21 - 25 . . . San Diego, CA  
 Sep 11 - 15 . . . San Jose, CA  
 Oct 16 - 20 . . . Anaheim, CA  
 Nov 6 - 10 . . . San Jose, CA  
 Nov 13 - 17 . . . San Diego, CA

#### Recertifications (Req. 24 mos.)

Jan 18 - 19 . . . San Diego, CA  
 Jan 25 - 26 . . . Anaheim, CA  
 Feb 8 - 9 . . . San Jose, CA  
 Apr 26 - 27 . . . San Jose, CA  
 Jun 7 - 8 . . . San Jose, CA  
 Jun 14 - 15 . . . San Diego, CA  
 Jul 19 - 20 . . . Anaheim, CA  
 Aug 16 - 17 . . . San Jose, CA  
 Oct 11 - 12 . . . San Diego, CA  
 Nov 1 - 2 . . . San Jose, CA

### J-STD-001 CSE Space Addendum Certification

See On-Line Class Schedule

#### Recertifications (Req. 24 mos.)

See On-Line Class Schedule

### IPC-A-620 Certified IPC Trainer (CIT)

Jan 10 - 13 . . . Anaheim, CA  
 Jan 23 - 26 . . . San Jose, CA  
 Feb 13 - 16 . . . San Diego, CA  
 Mar 13 - 16 . . . San Jose, CA  
 Mar 20 - 23 . . . Anaheim, CA  
 Apr 17 - 20 . . . San Diego, CA  
 Jun 19 - 22 . . . Anaheim, CA  
 Jul 24 - 27 . . . San Jose, CA  
 Sep 18 - 21 . . . Anaheim, CA  
 Sep 18 - 21 . . . San Jose, CA  
 Sep 25 - 28 . . . San Diego, CA  
 Nov 7 - 10 . . . Anaheim, CA  
 Nov 13 - 16 . . . San Jose, CA  
 Nov 28 - Dec 1 . . . San Diego, CA

#### Recertifications (Req. 24 mos.)

Jan 10 - 13 . . . Anaheim, CA  
 Jan 23 - 26 . . . San Jose, CA  
 Feb 13 - 16 . . . San Diego, CA  
 Mar 13 - 16 . . . San Jose, CA  
 Mar 20 - 23 . . . Anaheim, CA  
 Apr 17 - 20 . . . San Diego, CA  
 Jul 24 - 27 . . . San Jose, CA  
 May 15 - 18 . . . San Jose, CA  
 Jun 19 - 22 . . . Anaheim, CA  
 Jul 24 - 27 . . . San Jose, CA  
 Sep 18 - 21 . . . Anaheim, CA  
 Sep 18 - 21 . . . San Jose, CA  
 Sep 25 - 28 . . . San Diego, CA  
 Nov 7 - 10 . . . Anaheim, CA  
 Nov 13 - 16 . . . San Jose, CA  
 Nov 28 - Dec 1 . . . San Diego, CA

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.

To view all of the available classes, please see our Master Schedule and On-Line Schedule.



### 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

## California San Diego, Anaheim & San Jose

Please contact us for additional locations and on-site training opportunities in your area.

### IPC-A-620 Certified IPC Specialist (CIS)

Jan 10 - 13 ... Anaheim, CA  
 Jan 23 - 26 ... San Jose, CA  
 Feb 13 - 16 ... San Diego, CA  
 Mar 13 - 16 ... San Jose, CA  
 Mar 20 - 23 ... Anaheim, CA  
 Apr 17 - 20 ... San Diego, CA  
 May 15 - 18 ... San Jose, CA  
 Jun 19 - 22 ... Anaheim, CA  
 Jul 24 - 27 ... San Jose, CA  
 Sep 18 - 21 ... Anaheim, CA  
 Sep 18 - 21 ... San Jose, CA  
 Sep 25 - 28 ... San Diego, CA  
 Nov 7 - 10 ... Anaheim, CA  
 Nov 13 - 16 ... San Jose, CA  
 Nov 28 - Dec 1 San Diego, CA

#### Recertifications (Req. 24 mos.)

Jan 10 - 13 ... Anaheim, CA  
 Jan 23 - 26 ... San Jose, CA  
 Feb 13 - 16 ... San Diego, CA  
 Mar 13 - 16 ... San Jose, CA  
 Mar 20 - 23 ... Anaheim, CA  
 Apr 17 - 20 ... San Diego, CA  
 May 15 - 18 ... San Jose, CA  
 Jun 19 - 22 ... Anaheim, CA  
 Jul 24 - 27 ... San Jose, CA  
 Sep 18 - 21 ... Anaheim, CA  
 Sep 18 - 21 ... San Jose, CA  
 Sep 25 - 28 ... San Diego, CA  
 Nov 7 - 10 ... Anaheim, CA  
 Nov 13 - 16 ... San Jose, CA  
 Nov 28 - Dec 1 San Diego, CA

### IPC-A-620 Certified Standards Expert (CSE)

Jan 10 - 13 ... Anaheim, CA  
 Jan 23 - 26 ... San Jose, CA  
 Feb 13 - 16 ... San Diego, CA  
 Mar 13 - 16 ... San Jose, CA  
 Mar 20 - 23 ... Anaheim, CA  
 Apr 17 - 20 ... San Diego, CA  
 May 15 - 18 ... San Jose, CA  
 Jun 19 - 22 ... Anaheim, CA  
 Jul 24 - 27 ... San Jose, CA  
 Sep 18 - 21 ... Anaheim, CA  
 Sep 18 - 21 ... San Jose, CA  
 Sep 25 - 28 ... San Diego, CA  
 Nov 7 - 10 ... Anaheim, CA  
 Nov 13 - 16 ... San Jose, CA  
 Nov 28 - Dec 1 San Diego, CA

#### Recertifications (Req. 24 mos.)

Jan 10 - 13 ... Anaheim, CA  
 Jan 23 - 26 ... San Jose, CA  
 Feb 13 - 16 ... San Diego, CA  
 Mar 13 - 16 ... San Jose, CA  
 Mar 20 - 23 ... Anaheim, CA  
 Apr 17 - 20 ... San Diego, CA  
 May 15 - 18 ... San Jose, CA  
 Jun 19 - 22 ... Anaheim, CA  
 Jul 24 - 27 ... San Jose, CA  
 Sep 18 - 21 ... Anaheim, CA  
 Sep 18 - 21 ... San Jose, CA  
 Sep 25 - 28 ... San Diego, CA  
 Nov 7 - 10 ... Anaheim, CA  
 Nov 13 - 16 ... San Jose, CA  
 Nov 28 - Dec 1 San Diego, CA

### IPC-A-620 Hands-on Labs

Jan 27 ... San Jose, CA  
 Feb 17 ... San Diego, CA  
 Mar 24 ... Anaheim, CA  
 Apr 21 ... San Diego, CA  
 May 19 ... San Jose, CA  
 Jun 23 ... Anaheim, CA  
 Jul 28 ... San Jose, CA  
 Sep 22 ... Anaheim, CA  
 Sep 22 ... San Jose, CA  
 Nov 17 ... San Jose, CA

### IPC-A-600 Certified IPC Specialist (CIT)

Mar 1 - 3 ... San Jose, CA  
 Aug 21 - 23 ... San Jose, CA  
 Nov 27 - 29 ... San Jose, CA

#### Recertifications (Req. 24 mos.)

Mar 1 - 3 ... San Jose, CA  
 Aug 21 - 23 ... San Jose, CA  
 Nov 27 - 29 ... San Jose, CA

### IPC-A-600 Certified IPC Specialist (CIS)

Mar 1 - 3 ... San Jose, CA  
 Mar 22 - 24 ... San Diego, CA  
 Aug 21 - 23 ... San Jose, CA  
 Aug 30 - Sep 1 San Diego, CA  
 Nov 27 - 29 ... San Jose, CA

#### Recertifications (Req. 24 mos.)

Mar 1 - 3 ... San Jose, CA  
 Mar 22 - 24 ... San Diego, CA  
 Aug 21 - 23 ... San Jose, CA  
 Aug 30 - Sep 1 San Diego, CA  
 Nov 27 - 29 ... San Jose, CA

### IPC-A-600 Certified IPC Specialist (CSE)

Mar 1 - 3 ... San Jose, CA  
 Aug 21 - 23 ... San Jose, CA  
 Nov 27 - 29 ... San Jose, CA

#### Recertifications (Req. 24 mos.)

Mar 1 - 3 ... San Jose, CA  
 Aug 21 - 23 ... San Jose, CA  
 Nov 27 - 29 ... San Jose, CA

### IPC-7711/7721 Certified IPC Trainer (CIT)

Feb 6 - 10 ... Anaheim, CA  
 Feb 20 - 24 ... San Jose, CA  
 Apr 10 - 14 ... San Jose, CA  
 Jun 12 - 16 ... San Jose, CA  
 Aug 21 - 25 ... Anaheim, CA  
 Oct 23 - 27 ... San Jose, CA  
 Dec 11 - 15 ... San Jose, CA

### IPC-7711/7721 Certified IPC Specialist (CIS)

Feb 6 - 10 ... Anaheim, CA  
 Feb 20 - 24 ... San Jose, CA  
 Apr 10 - 14 ... San Jose, CA  
 Jun 12 - 16 ... San Jose, CA  
 Aug 21 - 25 ... Anaheim, CA  
 Oct 23 - 27 ... San Jose, CA  
 Dec 11 - 15 ... San Jose, CA

### IPC-7711/7721 Certified Standards Expert (CSE)

Feb 6 - 10 ... Anaheim, CA  
 Feb 20 - 24 ... San Jose, CA  
 Apr 10 - 14 ... San Jose, CA  
 Jun 12 - 16 ... San Jose, CA  
 Aug 21 - 25 ... Anaheim, CA  
 Oct 23 - 27 ... San Jose, CA  
 Dec 11 - 15 ... San Jose, CA

### Hand Soldering Certification

Jan 16 - 20 ... San Jose, CA  
 Mar 6 - 10 ... San Diego, CA  
 Mar 6 - 10 ... San Jose, CA  
 Mar 27 - 31 ... Anaheim, CA  
 May 1 - 5 ... San Jose, CA  
 May 22 - 26 ... San Diego, CA  
 Jul 10 - 14 ... Anaheim, CA  
 Jul 17 - 21 ... San Jose, CA  
 Sep 11 - 15 ... San Diego, CA  
 Sep 25 - 29 ... San Jose, CA  
 Sep 25 - 29 ... Anaheim, CA  
 Oct 9 - 13 ... San Jose, CA  
 Dec 4 - 8 ... Anaheim, CA  
 Dec 4 - 8 ... San Jose, CA  
 Dec 18 - 22 ... San Diego, CA

#### Recertifications (Req. 24 mos.)

Mar 17 ... San Jose, CA

### Advanced SMT Micro Hand Soldering Certification

May 22 - 23 ... San Jose, CA  
 Sep 7 - 8 ... San Jose, CA

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.

To view all of the available classes, please see our Master Schedule and On-Line Schedule.