



### 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

## Manchester, NH & Peabody, MA

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

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

Feb 7 - 10  
Apr 11 - 14  
May 31 - Jun 3  
Aug 15 - 18  
Oct 10 - 13  
Dec 5 - 8

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

Jan 3 - 4  
Mar 7 - 8  
May 2 - 3  
Jul 5 - 6  
Sep 6 - 7  
Oct 3 - 4  
Nov 7 - 8

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

Jan 17 - 19  
Feb 14 - 16  
Mar 21 - 23  
Apr 18 - 20  
May 16 - 18  
Jun 6 - 8  
Jul 25 - 27  
Aug 8 - 10  
Sep 19 - 21  
Sep 26 - 28  
Oct 17 - 19  
Nov 14 - 16

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

Jan 17 - 19  
Feb 14 - 16  
Mar 21 - 23  
Apr 18 - 20  
May 16 - 18  
Jun 6 - 8  
Jul 25 - 27  
Aug 8 - 10  
Sep 19 - 21  
Sep 26 - 28  
Oct 17 - 19  
Nov 14 - 16

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

Feb 7 - 10  
Apr 11 - 14  
May 31 - Jun 3  
Aug 15 - 18  
Oct 10 - 13  
Dec 5 - 8

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

Jan 3 - 4  
Mar 7 - 8  
May 2 - 3  
Jul 5 - 6  
Sep 6 - 7  
Oct 3 - 4  
Nov 7 - 8

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.

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

Jan 20  
Feb 17  
Mar 24  
Apr 21  
May 19  
Jun 9  
Jul 28  
Aug 11  
Sep 29  
Oct 14  
Dec 9

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

Jan 17 - 21  
Mar 21 - 25  
May 16 - 20  
Jul 25 - 29  
Aug 29 - Sep 2  
Oct 31 - Nov 4

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

Jan 5 - 6  
Mar 9 - 10  
May 4 - 5  
Jul 7 - 8  
Sep 8 - 9  
Oct 5 - 6  
Nov 9 - 10

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

Jan 28  
Mar 28  
Jun 30  
Jul 22  
Sep 30  
Nov 11  
Dec 20

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

Jan 28  
Mar 28  
Jun 30  
Jul 22  
Sep 30  
Nov 11  
Dec 20

#### Challenge Tests

In-person Challenge Tests are available for the following courses: IPC-A-610 CIT, CIS and CSE Certification and Recertification; J-STD-001 CIT Certification and Recertification; J-STD-001 CIS Space Addendum Certification and Recertification; and J-STD-001 CSE Certification and Recertification courses. All classes are held in Manchester, NH on the following dates.

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

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

Feb 21 - 25  
Apr 4 - 8  
Jun 20 - 24  
Aug 1 - 5  
Sep 19 - 23  
Dec 5 - 9

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

Feb 21 - 25  
Apr 4 - 8  
Jun 20 - 24  
Aug 1 - 5  
Sep 19 - 23  
Dec 5 - 9

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

Jan 28  
Mar 28  
Jun 30  
Jul 22  
Sep 30  
Nov 11  
Dec 20

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

Jan 28  
Mar 28  
Jun 30  
Jul 22  
Sep 30  
Nov 11  
Dec 20

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

Jan 17 - 21  
Mar 21 - 25  
May 16 - 20  
Jul 25 - 29  
Aug 29 - Sep 2  
Oct 31 - Nov 4

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

Jan 5 - 6  
Mar 9 - 10  
May 4 - 5  
Jul 7 - 8  
Sep 8 - 9  
Oct 5 - 6  
Nov 9 - 10

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

Jan 28  
Mar 28  
Jun 30  
Jul 22  
Sep 30  
Nov 11  
Dec 20

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

Jan 28  
Mar 28  
Jun 30  
Jul 22  
Sep 30  
Nov 11  
Dec 20



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#### Quality & Inspection

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#### 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

## Manchester, NH & Peabody, MA

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

Jan 10 - 13  
Feb 28 - Mar 3  
May 9 - 12  
Jul 11 - 14  
Sep 12 - 15  
Dec 12 - 15

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

Jan 31 - Feb 1  
Feb 28 - Mar 1  
May 31 - Jun 1  
Aug 29 - 30  
Nov 21 - 22

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

Jan 24 - 27  
Mar 14 - 17  
Apr 25 - 28  
Jun 13 - 16  
Aug 22 - 25  
Oct 24 - 27

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

Jan 24 - 27  
Mar 14 - 17  
Apr 25 - 28  
Jun 13 - 16  
Aug 22 - 25  
Oct 24 - 27

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

Jan 10 - 13  
Feb 28 - Mar 3  
May 9 - 12  
Jul 11 - 14  
Sep 12 - 15  
Dec 12 - 15

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

Jan 31 - Feb 1  
Feb 28 - Mar 1  
May 31 - Jun 1  
Aug 29 - 30  
Nov 21 - 22

#### Challenge Tests

In-person Challenge Tests for IPC-A-620 CIT, CIS and CSE Certification and Recertification courses are held in Manchester, NH on the following dates.

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

### 620 Hands-on Labs (CIT or CIS Option)

Jan 14  
Mar 18  
Apr 29  
May 13  
Jun 17  
Jul 15  
Aug 26  
Sep 16  
Oct 28  
Dec 16

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

May 24 - 26  
Aug 2 - 4  
Nov 29 - Dec 1

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

May 24 - 26  
Aug 2 - 4  
Nov 29 - Dec 1

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

May 24 - 26  
Aug 2 - 4  
Nov 29 - Dec 1

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

May 24 - 26  
Aug 2 - 4  
Nov 29 - Dec 1

### IPC-A-600 Certified Standards Expert (CSE)

May 24 - 26  
Aug 2 - 4  
Nov 29 - Dec 1

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

May 24 - 26  
Aug 2 - 4  
Nov 29 - Dec 1

#### Challenge Tests

In-person Challenge Tests for IPC-A-600 CIT, CIS and CSE Certification and Recertification courses are held in Manchester, NH on the following dates.

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

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

Jan 24 - 28  
Apr 18 - 22  
Jul 18 - 22  
Aug 22 - 26  
Oct 24 - 28  
Nov 28 - Dec 2

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

Feb 3 - 4  
Mar 28 - 29  
May 23 - 24  
Jun 27 - 28  
Aug 15 - 16  
Sep 26 - 27  
Nov 7 - 8

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

Jan 24 - 28  
Apr 18 - 22  
Jul 18 - 22  
Aug 22 - 26  
Oct 24 - 28  
Nov 28 - Dec 2

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

Feb 3 - 4  
Mar 28 - 29  
May 23 - 24  
Jun 27 - 28  
Aug 15 - 16  
Sep 26 - 27  
Nov 7 - 8

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

Jan 24 - 28  
Apr 18 - 22  
Jul 18 - 22  
Aug 22 - 26  
Oct 24 - 28  
Nov 28 - Dec 2

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

Feb 3 - 4  
Mar 28 - 29  
May 23 - 24  
Jun 27 - 28  
Aug 15 - 16  
Sep 26 - 27  
Nov 7 - 8

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### IPC CID Certification

Feb 21 - 24  
Oct 31 - Nov 3

### IPC CID+ Certification

Jun 27 - 30

### IDEA Essentials

Jan 17 - 18 . . . Peabody, MA  
Apr 11 - 12 . . . Peabody, MA  
Aug 4 - 5 . . . . . Peabody, MA

### Hand Soldering Certification

Jan 10 - 14  
Feb 7 - 11  
Mar 14 - 18  
Apr 11 - 15  
May 9 - 13  
Jun 13 - 17  
Jul 11 - 15  
Aug 8 - 12  
Sep 12 - 16  
Oct 10 - 14  
Nov 14 - 18  
Dec 12 - 16

### Recertifications (Req. 24 mos.)

Jan 7  
Feb 18  
Mar 4  
Apr 1  
May 6  
Jun 10  
Jul 1  
Aug 17  
Oct 7  
Nov 11

### Advanced SMT Micro Hand Soldering Certification

Mar 2 - 3  
Jun 7 - 8  
Oct 17 - 18

### Crimp Terminations Certification

Apr 15  
Aug 12  
Dec 19

### Recertifications (Req. 24 mos.)

Apr 15  
Aug 12  
Dec 19

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