



### 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 8 - 11  
Apr 12 - 15  
Jun 1 - 4  
Aug 16 - 19  
Oct 11 - 14  
Dec 6 - 9

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

Jan 4 - 5  
Mar 8 - 9  
May 3 - 4  
Jul 6 - 7  
Sep 7 - 8  
Oct 4 - 5  
Nov 8 - 9

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

Jan 18 - 20  
Feb 15 - 17  
Mar 22 - 24  
Apr 19 - 21  
May 17 - 19  
Jun 7 - 9  
Jul 26 - 28  
Aug 9 - 11  
Sep 20 - 22  
Sep 27 - 29  
Oct 18 - 20  
Nov 15 - 17

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

Jan 18 - 20  
Feb 15 - 17  
Mar 22 - 24  
Apr 19 - 21  
May 17 - 19  
Jun 7 - 9  
Jul 26 - 28  
Aug 9 - 11  
Sep 20 - 22  
Sep 27 - 29  
Oct 18 - 20  
Nov 15 - 17

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

Feb 8 - 11  
Apr 12 - 15  
Jun 1 - 4  
Aug 16 - 19  
Oct 11 - 14  
Dec 6 - 9

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

Jan 4 - 5  
Mar 8 - 9  
May 3 - 4  
Jul 6 - 7  
Sep 7 - 8  
Oct 4 - 5  
Nov 8 - 9

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.

### Challenge Tests

In-person Challenge Tests for IPC-A-610 CIT, CIS and CSE Certification and Recertification courses are held in Manchester, NH on the following dates.

|        |        |        |
|--------|--------|--------|
| Jan 21 | May 7  | Sep 23 |
| Feb 5  | May 21 | Oct 21 |
| Feb 19 | Jun 30 | Nov 23 |
| Mar 26 | Jul 22 | Dec 20 |
| Apr 16 | Aug 6  |        |

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

Feb 18  
Mar 25  
Apr 22  
May 20  
Jun 10  
Jul 29  
Aug 12  
Sep 30  
Oct 15  
Dec 10

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

Jan 18 - 22  
Mar 22 - 26  
May 17 - 21  
Jul 26 - 30  
Aug 30 - Sep 3  
Nov 1 - 5

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

Jan 4 - 5  
Mar 10 - 11  
May 3 - 4  
Jul 6 - 7  
Sep 7 - 8  
Oct 4 - 5  
Nov 10 - 11

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

Jan 29  
Mar 29  
Jun 28  
Jul 23  
Sep 27  
Nov 12  
Dec 21

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

Jan 29  
Mar 29  
Jun 28  
Jul 23  
Sep 27  
Nov 12  
Dec 21

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

Feb 22 - 26  
Apr 5 - 9  
Jun 21 - 25  
Aug 2 - 6  
Sep 20 - 24  
Dec 6 - 10

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

Feb 22 - 26  
Apr 5 - 9  
Jun 21 - 25  
Aug 2 - 6  
Sep 20 - 24  
Dec 6 - 10

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

Jan 29  
Mar 29  
Jun 28  
Jul 23  
Sep 27  
Nov 12  
Dec 21

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

Jan 29  
Mar 29  
Jun 28  
Jul 23  
Sep 27  
Nov 12  
Dec 21

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

Jan 18 - 22  
Mar 22 - 26  
May 17 - 21  
Jul 26 - 30  
Nov 1 - 5

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

Jan 4 - 5  
Mar 8 - 9  
May 3 - 4  
Jul 6 - 7  
Sep 7 - 8  
Oct 4 - 5  
Nov 10 - 11

### Challenge Tests

In-person Challenge Tests are available for the following courses: 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 21 | May 7  | Sep 23 |
| Feb 5  | May 21 | Oct 21 |
| Feb 19 | Jun 30 | Nov 23 |
| Mar 26 | Jul 22 | Dec 20 |
| Apr 16 | Aug 6  |        |



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#### 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 11 - 14  
Mar 15 - 18  
May 10 - 13  
Jul 12 - 15  
Sep 13 - 16  
Dec 13 - 16

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

Feb 1 - 2  
Mar 1 - 2  
Jun 1 - 2  
Aug 30 - 31  
Nov 22 - 23

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

Jan 25 - 28  
Mar 1 - 4  
Apr 26 - 29  
Jun 14 - 17  
Aug 23 - 26  
Oct 26 - 29  
Nov 1 - 4

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

Jan 25 - 28  
Mar 1 - 4  
Apr 26 - 29  
Jun 14 - 17  
Aug 23 - 26  
Oct 26 - 29  
Nov 1 - 4

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

Jan 11 - 14  
Mar 15 - 18  
May 10 - 13  
Jul 12 - 15  
Sep 13 - 16  
Dec 13 - 16

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

Feb 1 - 2  
Mar 1 - 2  
Jun 1 - 2  
Aug 30 - 31  
Nov 22 - 23

#### 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 21 | May 7  | Sep 23 |
| Feb 5  | May 21 | Oct 21 |
| Feb 19 | Jun 30 | Nov 23 |
| Mar 26 | Jul 22 | Dec 20 |
| Apr 16 | Aug 6  |        |

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

Jan 15  
Mar 5  
Mar 19  
Apr 30  
May 14  
Jun 18  
Jul 16  
Aug 27  
Sep 17  
Nov 5  
Dec 17

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

Apr 6 - 8  
Aug 3 - 5  
Nov 30 - Dec 2

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

Apr 6 - 8  
Aug 3 - 5  
Nov 30 - Dec 2

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

Apr 6 - 8  
Aug 3 - 5  
Nov 30 - Dec 2

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

Apr 6 - 8  
Aug 3 - 5  
Nov 30 - Dec 2

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

Apr 6 - 8  
Aug 3 - 5  
Nov 30 - Dec 2

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

Apr 6 - 8  
Aug 3 - 5  
Nov 30 - Dec 2

#### 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 21 | May 7  | Sep 23 |
| Feb 5  | May 21 | Oct 21 |
| Feb 19 | Jun 30 | Nov 23 |
| Mar 26 | Jul 22 | Dec 20 |
| Apr 16 | Aug 6  |        |

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

Jan 25 - 29  
Apr 19 - 23  
Jul 19 - 23  
Aug 23 - 27  
Oct 25 - 29  
Nov 29 - Dec 3

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

Feb 3 - 4  
Mar 29 - 30  
May 24 - 25  
Jun 28 - 29  
Aug 18 - 19  
Sep 28 - 29  
Nov 8 - 9

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

Jan 25 - 29  
Apr 19 - 23  
Jul 19 - 23  
Aug 23 - 27  
Oct 25 - 29  
Nov 29 - Dec 3

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

Feb 3 - 4  
Mar 29 - 30  
May 24 - 25  
Jun 28 - 29  
Aug 18 - 19  
Sep 28 - 29  
Nov 8 - 9

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

Jan 25 - 29  
Apr 19 - 23  
Jul 19 - 23  
Aug 23 - 27  
Oct 25 - 29  
Nov 29 - Dec 3

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

Feb 3 - 4  
Mar 29 - 30  
May 24 - 25  
Jun 28 - 29  
Aug 18 - 19  
Sep 28 - 29  
Nov 8 - 9

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### HARNESS TECHNOLOGY

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- IPC-A-620 Instructor & Operator Certification

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### IDEA Counterfeit Component Workshop

Jun 2 . . . . . Peabody, MA

### IDEA Essentials

Feb 4 - 5 . . . . . Peabody, MA  
Sep 23 - 24 . . . . . Peabody, MA

### Hand Soldering Certification

Jan 11 - 15  
Feb 8 - 12  
Mar 15 - 19  
Apr 12 - 16  
Jun 14 - 18  
Jul 12 - 16  
Aug 9 - 13  
Sep 13 - 17  
Oct 11 - 15  
Nov 15 - 19  
Dec 13 - 17

### Recertifications (Req. 24 mos.)

Jan 8  
Feb 19  
Mar 5  
Apr 2  
May 7  
Jun 11  
Aug 20  
Oct 8  
Nov 12

### Advanced SMT Micro Hand Soldering Certification

Mar 3 - 4  
Jun 8 - 9  
Oct 18 - 19

### Crimp Terminations Certification

Apr 2  
Aug 13  
Dec 20

### Recertifications (Req. 24 mos.)

Apr 2  
Aug 13  
Dec 20

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