



### 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 20 - 23  
Apr 10 - 13  
Jun 5 - 8  
Aug 21 - 24  
Oct 23 - 26  
Dec 11 - 14

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

Jan 3 - 4  
Mar 13 - 14  
May 8 - 9  
Jul 10 - 11  
Sep 5 - 6  
Oct 9 - 10  
Nov 13 - 14

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

Jan 4 - 6  
Jan 23 - 25  
Feb 13 - 15  
Mar 6 - 8  
Mar 27 - 29  
Apr 17 - 19  
May 8 - 10  
May 29 - 31  
Jun 19 - 21  
Jul 10 - 12  
Jul 31 - Aug 2  
Aug 14 - 16  
Sep 5 - 7  
Sep 25 - 27  
Oct 16 - 18  
Nov 6 - 8  
Nov 28 - 30

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

Jan 4 - 6  
Jan 23 - 25  
Feb 13 - 15  
Mar 6 - 8  
Mar 27 - 29  
Apr 17 - 19  
May 8 - 10  
May 29 - 31  
Jun 19 - 21  
Jul 10 - 12  
Jul 31 - Aug 2  
Aug 14 - 16  
Sep 5 - 7  
Sep 25 - 27  
Oct 16 - 18  
Nov 6 - 8  
Nov 28 - 30

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 Certified Standards Expert (CSE)

Feb 20 - 23  
Apr 10 - 13  
Jun 5 - 8  
Aug 21 - 24  
Oct 23 - 26  
Dec 11 - 14

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

Jan 3 - 4  
Mar 13 - 14  
May 8 - 9  
Jul 10 - 11  
Sep 5 - 6  
Oct 9 - 10  
Nov 13 - 14

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

Jan 26  
Feb 16  
Mar 30  
Apr 20  
May 11  
Jun 22  
Jul 13  
Aug 3  
Aug 25  
Sep 8  
Oct 19  
Oct 27  
Nov 9  
Dec 15

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

Jan 23 - 27  
Mar 27 - 31  
May 22 - 26  
Jul 17 - 21  
Sep 18 - 22  
Nov 6 - 10

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

Jan 5 - 6  
Mar 15 - 16  
May 10 - 11  
Jul 12 - 13  
Sep 7 - 8  
Oct 11 - 12  
Nov 15 - 16

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

Apr 21  
Jul 6  
Oct 6  
Nov 17  
Dec 27

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

Apr 21  
Jul 6  
Oct 6  
Nov 17  
Dec 27

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

Jan 9 - 13  
Feb 27 - Mar 3  
Apr 17 - 21  
May 15 - 19  
Jun 26 - 30  
Aug 28 - Sep 1  
Sep 25 - 29  
Oct 16 - 20  
Dec 11 - 15

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

Jan 9 - 13  
Feb 27 - Mar 3  
Apr 17 - 21  
May 15 - 19  
Jun 26 - 30  
Aug 28 - Sep 1  
Sep 25 - 29  
Oct 16 - 20  
Dec 11 - 15

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

Apr 21  
Jul 6  
Oct 6  
Nov 17  
Dec 27

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

Apr 21  
Jul 6  
Oct 6  
Nov 17  
Dec 27

#### 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 12	May 12	Oct 13
Feb 17	Jul 5	Nov 10
Mar 10	Aug 11	Dec 1
Apr 14	Sep 15	

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



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#### Quality & Inspection

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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
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- Equipment Evaluation
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## Manchester, NH & Peabody, MA

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

Jan 23 - 27  
Mar 27 - 31  
May 22 - 26  
Jul 17 - 21  
Sep 18 - 22  
Nov 6 - 10

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

Jan 11 - 12  
Mar 15 - 16  
May 10 - 11  
Jul 12 - 13  
Sep 7 - 8  
Oct 11 - 12  
Nov 15 - 16

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

Apr 21  
Jul 6  
Oct 6  
Nov 17  
Dec 27

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

Apr 21  
Jul 6  
Oct 6  
Nov 17  
Dec 27

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

Jan 16 - 19  
Mar 6 - 9  
May 22 - 25  
Jul 24 - 27  
Sep 11 - 14  
Dec 18 - 21

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

Mar 20 - 21  
Sep 28 - 29

#### 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 12	May 12	Oct 13
Feb 17	Jul 5	Nov 10
Mar 10	Aug 11	Dec 1
Apr 14	Sep 15	

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

Jan 9 - 12  
Jan 30 - Feb 2  
Feb 20 - 23  
Mar 13 - 16  
Apr 3 - 6  
Apr 24 - 27  
May 15 - 18  
Jun 5 - 8  
Jun 26 - 29  
Jul 17 - 20  
Aug 7 - 10  
Aug 28 - 31  
Sep 18 - 21  
Oct 9 - 12  
Oct 30 - Nov 2  
Nov 13 - 16

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

Jan 9 - 12  
Jan 30 - Feb 2  
Feb 20 - 23  
Mar 13 - 16  
Apr 3 - 6  
Apr 24 - 27  
May 15 - 18  
Jun 5 - 8  
Jun 26 - 29  
Jul 17 - 20  
Aug 7 - 10  
Aug 28 - 31  
Sep 18 - 21  
Oct 9 - 12  
Oct 30 - Nov 2  
Nov 13 - 16

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

Jan 16 - 19  
Mar 6 - 9  
May 22 - 25  
Jul 24 - 27  
Sep 11 - 14  
Dec 18 - 21

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

Mar 20 - 21  
Sep 28 - 29

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

Feb 24  
Mar 17  
Apr 28  
May 19  
May 26  
Jun 30  
Jul 21  
Jul 28  
Aug 11  
Sep 15  
Sep 22  
Oct 13  
Nov 17  
Dec 8  
Dec 22

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

May 30 - Jun 1  
Dec 5 - 7

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

May 30 - Jun 1  
Dec 5 - 7

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

May 30 - Jun 1  
Dec 5 - 7

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

May 30 - Jun 1  
Dec 5 - 7

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

May 30 - Jun 1  
Dec 5 - 7

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

May 30 - Jun 1  
Dec 5 - 7

#### 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 12	May 12	Oct 13
Feb 17	Jul 5	Nov 10
Mar 10	Aug 11	Dec 1
Apr 14	Sep 15	

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- IPC-A-600 Instructor & Operator Certification
- IPC-6012 Instructor & Operator Certification

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- Component Identification
- Electrostatic Discharge

#### PCB Design

- IPC Designer & IPC Advanced Designer Certification

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#### IDEA-STD-1010

- Seminars & Workshops
- IDEA-STD-1010 Essentials
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### 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-7711/7721 Certified IPC Instructor (CIT)

Feb 13 - 17  
Apr 24 - 28  
Jul 24 - 28  
Oct 30 - Nov 3  
Dec 4 - 8

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

Feb 1 - 2  
Apr 3 - 4  
Jun 1 - 2  
Aug 21 - 22  
Oct 2 - 3  
Nov 20 - 21

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

Feb 13 - 17  
Apr 24 - 28  
Jul 24 - 28  
Oct 30 - Nov 3  
Dec 4 - 8

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

Feb 1 - 2  
Apr 3 - 4  
Jun 1 - 2  
Aug 21 - 22  
Oct 2 - 3  
Nov 20 - 21

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

Feb 13 - 17  
Apr 24 - 28  
Jul 24 - 28  
Aug 14 - 18  
Oct 30 - Nov 3  
Dec 4 - 8

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

Feb 1 - 2  
Apr 3 - 4  
Jun 1 - 2  
Aug 21 - 22  
Oct 2 - 3  
Nov 20 - 21

### IDEA Essentials

Jan 23 - 24 . . . Peabody, MA  
Apr 17 - 18 . . . Peabody, MA  
Aug 10 - 12 . . . Peabody, MA

### Hand Soldering Certification

Jan 16 - 20  
Feb 6 - 10  
Feb 27 - Mar 3  
Mar 20 - 24  
Apr 10 - 14  
May 1 - 5  
Jun 12 - 16  
Jul 31 - Aug 4  
Sep 11 - 15  
Oct 2 - 6  
Nov 27 - Dec 1  
Dec 18 - 22

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

Feb 3  
May 17  
Apr 7  
May 12  
Jun 9  
Jul 7  
Aug 23  
Oct 20  
Nov 21

### Advanced SMT Micro Hand Soldering Certification

May 1 - 2  
Jun 19 - 20  
Oct 26 - 27

### Crimp Terminations Certification

Aug 18  
Dec 29

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

Aug 18  
Dec 29

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