



### 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

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

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

Feb 5 - 8  
Apr 8 - 11  
Jun 3 - 6  
Aug 12 - 15  
Oct 21 - 24  
Dec 9 - 12

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

Jan 2 - 3  
Mar 11 - 12  
May 6 - 7  
Jul 8 - 9  
Sep 3 - 4  
Oct 7 - 8  
Nov 11 - 12

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

Jan 3 - 5  
Jan 22 - 24  
Feb 12 - 14  
Mar 4 - 6  
Mar 25 - 27  
Apr 15 - 17  
May 6 - 8  
May 28 - 30  
Jun 17 - 19  
Jul 8 - 10  
Jul 29 - 31  
Aug 19 - 21  
Sep 9 - 11  
Oct 1 - 3  
Oct 14 - 16  
Nov 4 - 6  
Nov 20 - 22  
Dec 16 - 18

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

Jan 3 - 5  
Jan 22 - 24  
Feb 12 - 14  
Mar 4 - 6  
Mar 25 - 27  
Apr 15 - 17  
May 6 - 8  
May 28 - 30  
Jun 17 - 19  
Jul 8 - 10  
Jul 29 - 31  
Aug 19 - 21  
Sep 9 - 11  
Oct 1 - 3  
Oct 14 - 16  
Nov 4 - 6  
Nov 20 - 22  
Dec 16 - 18

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 5 - 8  
Apr 8 - 11  
Jun 3 - 6  
Aug 12 - 15  
Oct 21 - 24  
Dec 9 - 12

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

Jan 2 - 3  
Mar 11 - 12  
May 6 - 7  
Jul 8 - 9  
Sep 3 - 4  
Oct 7 - 8  
Nov 11 - 12

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

Jan 25  
Feb 15  
Mar 28  
Apr 18  
May 9  
May 31  
Jun 20  
Jul 11  
Aug 1  
Aug 22  
Sep 12  
Oct 4  
Oct 17  
Oct 25  
Nov 7  
Dec 13  
Dec 19

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

Jan 22 - 26  
Mar 18 - 22  
May 20 - 24  
Jul 15 - 19  
Sep 16 - 20  
Nov 4 - 8

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

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

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

Jan 29  
Mar 8  
May 1  
May 10  
Jul 12  
Sep 30  
Nov 15  
Dec 23

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

Jan 8 - 12  
Feb 19 - 23  
Mar 25 - 29  
Apr 15 - 19  
May 13 - 17  
Jun 24 - 28  
Jul 22 - 26  
Aug 26 - 30  
Sep 23 - 27  
Oct 14 - 18  
Nov 18 - 22  
Dec 9 - 13

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

Jan 8 - 12  
Feb 19 - 23  
Mar 25 - 29  
Apr 15 - 19  
May 13 - 17  
Jun 24 - 28  
Jul 22 - 26  
Aug 26 - 30  
Sep 23 - 27  
Oct 14 - 18  
Nov 18 - 22  
Dec 9 - 13

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

Jan 29  
Mar 8  
May 1  
May 10  
Jul 12  
Sep 30  
Nov 15  
Dec 23

#### 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 10	Oct 11
Jan 26	Jun 7	Nov 8
Feb 16	Jul 1	Nov 22
Mar 11	Aug 19	
Apr 12	Sep 27	

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



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### 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
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## Manchester, NH

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

Jan 22 - 26  
Mar 18 - 22  
May 20 - 24  
Jul 15 - 19  
Sep 16 - 20  
Nov 4 - 8

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

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

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

Jan 29  
Mar 8  
May 1  
May 10  
Jul 12  
Sep 30  
Nov 15  
Dec 23

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

Jun 10 - 12  
Dec 3 - 5

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

Jun 10 - 12  
Dec 3 - 5

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

Jun 10 - 12  
Dec 3 - 5

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

Jun 10 - 12  
Dec 3 - 5

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

Jun 10 - 12  
Dec 3 - 5

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

Jun 10 - 12  
Dec 3 - 5

#### 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 10	Oct 11
Jan 26	Jun 7	Nov 8
Feb 16	Jul 1	Nov 22
Mar 1	Aug 19	
Apr 12	Sep 27	

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

Jan 15 - 18  
Mar 4 - 7  
May 20 - 23  
Jul 22 - 25  
Sep 3 - 6  
Dec 16 - 19

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

Feb 26 - 27  
May 2 - 3  
Aug 22 - 23  
Nov 18 - 19

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

Jan 8 - 11  
Jan 29 - Feb 1  
Feb 19 - 22  
Mar 11 - 14  
Apr 1 - 4  
Apr 22 - 25  
May 13 - 16  
Jun 3 - 6  
Jun 24 - 27  
Jul 15 - 18  
Aug 5 - 8  
Aug 26 - 29  
Sep 16 - 19  
Oct 7 - 10  
Oct 28 - 31  
Nov 11 - 14  
Dec 2 - 5

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

Jan 8 - 11  
Jan 29 - Feb 1  
Feb 19 - 22  
Mar 11 - 14  
Apr 1 - 4  
Apr 22 - 25  
May 13 - 16  
Jun 3 - 6  
Jun 24 - 27  
Jul 15 - 18  
Aug 5 - 8  
Aug 26 - 29  
Sep 16 - 19  
Oct 7 - 10  
Oct 28 - 31  
Nov 11 - 14  
Dec 2 - 5

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

Jan 15 - 18  
Mar 4 - 7  
May 20 - 23  
Jul 22 - 25  
Sep 3 - 6  
Dec 16 - 19

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

Feb 26 - 27  
May 2 - 3  
Aug 22 - 23  
Nov 18 - 19

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

Feb 2  
Feb 23  
Mar 15  
Apr 5  
Apr 26  
May 17  
May 24  
Jun 7  
Jun 28  
Jul 19  
Jul 26  
Aug 9  
Aug 30  
Sep 20  
Oct 11  
Nov 1  
Nov 15  
Dec 6  
Dec 20

#### 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 10	Oct 11
Jan 26	Jun 7	Nov 8
Feb 16	Jul 1	Nov 22
Mar 1	Aug 19	
Apr 12	Sep 27	

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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

### HARNESST 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

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

Feb 12 - 16  
Apr 22 - 26  
Jun 3 - 7  
Aug 12 - 16  
Oct 28 - Nov 1  
Dec 2 - 6

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

Jan 30 - 31  
Mar 7 - 8  
Apr 1 - 2  
May 30 - 31  
Jul 1 - 2  
Aug 19 - 20  
Sep 23 - 24  
Oct 2 - 3  
Nov 25 - 26

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

Feb 12 - 16  
Apr 22 - 26  
Jun 3 - 7  
Aug 12 - 16  
Oct 28 - Nov 1  
Dec 2 - 6

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

Jan 30 - 31  
Mar 7 - 8  
Apr 1 - 2  
May 30 - 31  
Jul 1 - 2  
Aug 19 - 20  
Sep 23 - 24  
Oct 2 - 3  
Nov 25 - 26

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

Feb 12 - 16  
Apr 22 - 26  
Jun 3 - 7  
Aug 12 - 16  
Oct 28 - Nov 1  
Dec 2 - 6

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

Jan 30 - 31  
Mar 7 - 8  
Apr 1 - 2  
May 30 - 31  
Jul 1 - 2  
Aug 19 - 20  
Sep 23 - 24  
Oct 2 - 3  
Nov 25 - 26

### Hand Soldering Certification

Jan 15 - 19  
Feb 5 - 9  
Feb 26 - Mar 1  
Mar 18 - 22  
Apr 8 - 12  
Apr 29 - May 3  
Jun 10 - 14  
Jul 8 - 12  
Jul 29 - Aug 2  
Aug 19 - 23  
Sep 9 - 13  
Sep 30 - Oct 4  
Oct 21 - 25  
Nov 11 - 15  
Dec 16 - 20

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

Jan 2  
Feb 2  
Mar 15  
Apr 5  
May 28  
Jun 19  
Jul 3  
Aug 21  
Oct 18  
Nov 21

### Advanced SMT Micro Hand Soldering Certification

Apr 3 - 4  
Jun 17 - 18  
Oct 24 - 25

### Crimp Terminations Certification

Aug 16  
Dec 30

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

Aug 16  
Dec 30

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