



### 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

## Canada Markham & Ottawa, ON | Halifax, NS

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

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

Jan 15 - 18 . . . . . Toronto, ON  
 Mar 25 - 28 . . . . . Toronto, ON  
 Apr 1 - 4 . . . . . Ottawa, ON  
 May 27 - 30 . . . . . Toronto, ON  
 Jul 29 - Aug 1 . . . . . Toronto, ON  
 Sep 16 - 19 . . . . . Toronto, ON  
 Nov 12 - 15 . . . . . Toronto, ON  
 Nov 18 - 21 . . . . . Ottawa, ON

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

Jan 8 - 9 . . . . . Toronto, ON  
 Mar 26 - 27 . . . . . Ottawa, ON  
 Apr 29 - 30 . . . . . Toronto, ON  
 Jul 15 - 16 . . . . . Toronto, ON  
 Sep 9 - 10 . . . . . Toronto, ON  
 Nov 18 - 19 . . . . . Toronto, ON

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

Jan 15 - 17 . . . . . Toronto, ON  
 Mar 25 - 27 . . . . . Toronto, ON  
 Apr 1 - 3 . . . . . Ottawa, ON  
 May 27 - 29 . . . . . Toronto, ON  
 Jun 4 - 6 . . . . . Halifax, NS  
 Jul 29 - 31 . . . . . Toronto, ON  
 Sep 16 - 18 . . . . . Toronto, ON  
 Nov 12 - 14 . . . . . Toronto, ON  
 Nov 18 - 20 . . . . . Ottawa, ON

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

Jan 15 - 17 . . . . . Toronto, ON  
 Mar 25 - 27 . . . . . Toronto, ON  
 Apr 1 - 3 . . . . . Ottawa, ON  
 May 27 - 29 . . . . . Toronto, ON  
 Jun 4 - 6 . . . . . Halifax, NS  
 Jul 29 - 31 . . . . . Toronto, ON  
 Sep 16 - 18 . . . . . Toronto, ON  
 Nov 12 - 14 . . . . . Toronto, ON  
 Nov 18 - 20 . . . . . Ottawa, ON

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

Jan 15 - 18 . . . . . Toronto, ON  
 Mar 25 - 28 . . . . . Toronto, ON  
 Apr 1 - 4 . . . . . Ottawa, ON  
 May 27 - 30 . . . . . Toronto, ON  
 Jul 29 - Aug 1 . . . . . Toronto, ON  
 Sep 16 - 19 . . . . . Toronto, ON  
 Nov 12 - 15 . . . . . Toronto, ON  
 Nov 18 - 21 . . . . . Ottawa, ON

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

Jan 8 - 9 . . . . . Toronto, ON  
 Mar 26 - 27 . . . . . Ottawa, ON  
 Apr 29 - 30 . . . . . Toronto, ON  
 Jul 15 - 16 . . . . . Toronto, ON  
 Sep 9 - 10 . . . . . Toronto, ON  
 Nov 18 - 19 . . . . . Toronto, ON

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

Jan 19 . . . . . Toronto, ON  
 Mar 29 . . . . . Toronto, ON  
 Apr 5 . . . . . Ottawa, ON  
 May 31 . . . . . Toronto, ON  
 Aug 2 . . . . . Toronto, ON  
 Sep 20 . . . . . Toronto, ON  
 Nov 22 . . . . . Ottawa, ON

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

Jan 29 - Feb 2 . . . . . Toronto, ON  
 Feb 26 - Mar 1 . . . . . Ottawa, ON  
 Apr 8 - 12 . . . . . Toronto, ON  
 Jun 17 - 21 . . . . . Toronto, ON  
 Aug 12 - 16 . . . . . Ottawa, ON  
 Aug 26 - 30 . . . . . Toronto, ON  
 Oct 7 - 11 . . . . . Toronto, ON  
 Nov 25 - 29 . . . . . Ottawa, ON  
 Dec 16 - 20 . . . . . Toronto, ON

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

Jan 10 - 11 . . . . . Toronto, ON  
 Mar 28 - 29 . . . . . Ottawa, ON  
 May 1 - 2 . . . . . Toronto, ON  
 Jul 17 - 18 . . . . . Toronto, ON  
 Sep 11 - 12 . . . . . Toronto, ON  
 Nov 20 - 21 . . . . . Toronto, ON

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

Jan 12 . . . . . Toronto, ON  
 May 3 . . . . . Toronto, ON  
 Jul 19 . . . . . Toronto, ON  
 Sep 13 . . . . . Toronto, ON  
 Nov 22 . . . . . Toronto, ON

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

Jan 12 . . . . . Toronto, ON  
 May 3 . . . . . Toronto, ON  
 Jul 19 . . . . . Toronto, ON  
 Sep 13 . . . . . Toronto, ON  
 Nov 22 . . . . . Toronto, ON

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

Jan 29 - Feb 2 . . . . . Toronto, ON  
 Feb 26 - Mar 1 . . . . . Ottawa, ON  
 Apr 8 - 12 . . . . . Toronto, ON  
 Apr 29 - May 3 . . . . . Halifax, NS  
 Jun 17 - 21 . . . . . Toronto, ON  
 Aug 12 - 16 . . . . . Ottawa, ON  
 Aug 26 - 30 . . . . . Toronto, ON  
 Oct 7 - 11 . . . . . Toronto, ON  
 Nov 25 - 29 . . . . . Ottawa, ON  
 Dec 16 - 20 . . . . . Toronto, ON

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

Jan 29 - Feb 2 . . . . . Toronto, ON  
 Feb 26 - Mar 1 . . . . . Ottawa, ON  
 Apr 8 - 12 . . . . . Toronto, ON  
 Apr 29 - May 3 . . . . . Halifax, NS  
 Jun 17 - 21 . . . . . Toronto, ON  
 Aug 12 - 16 . . . . . Ottawa, ON  
 Aug 26 - 30 . . . . . Toronto, ON  
 Oct 7 - 11 . . . . . Toronto, ON  
 Nov 25 - 29 . . . . . Ottawa, ON  
 Dec 16 - 20 . . . . . Toronto, ON

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

Jan 12 . . . . . Toronto, ON  
 May 3 . . . . . Toronto, ON  
 Jul 19 . . . . . Toronto, ON  
 Sep 13 . . . . . Toronto, ON  
 Nov 22 . . . . . Toronto, ON

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

Jan 12 . . . . . Toronto, ON  
 May 3 . . . . . Toronto, ON  
 Jul 19 . . . . . Toronto, ON  
 Sep 13 . . . . . Toronto, ON  
 Nov 22 . . . . . Toronto, ON

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

Jan 29 - Feb 2 . . . . . Toronto, ON  
 Feb 26 - Mar 1 . . . . . Ottawa, ON  
 Apr 8 - 12 . . . . . Toronto, ON  
 Jun 17 - 21 . . . . . Toronto, ON  
 Aug 12 - 16 . . . . . Ottawa, ON  
 Aug 26 - 30 . . . . . Toronto, ON  
 Oct 7 - 11 . . . . . Toronto, ON  
 Nov 25 - 29 . . . . . Ottawa, ON  
 Dec 16 - 20 . . . . . Toronto, ON

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

Jan 10 - 11 . . . . . Toronto, ON  
 Mar 28 - 29 . . . . . Ottawa, ON  
 May 1 - 2 . . . . . Toronto, ON  
 Jul 17 - 18 . . . . . Toronto, ON  
 Sep 11 - 12 . . . . . Toronto, ON  
 Nov 20 - 21 . . . . . Toronto, ON

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

Jan 12 . . . . . Toronto, ON  
 May 3 . . . . . Toronto, ON  
 Jul 19 . . . . . Toronto, ON  
 Sep 13 . . . . . Toronto, ON  
 Nov 22 . . . . . Toronto, ON

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

Jan 12 . . . . . Toronto, ON  
 May 3 . . . . . Toronto, ON  
 Jul 19 . . . . . Toronto, ON  
 Sep 13 . . . . . Toronto, ON  
 Nov 22 . . . . . Toronto, ON

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

Feb 20 - 23 . . . . . Toronto, ON  
 Apr 15 - 18 . . . . . Toronto, ON  
 Jun 24 - 27 . . . . . Toronto, ON  
 Aug 19 - 22 . . . . . Toronto, ON  
 Oct 28 - 31 . . . . . Toronto, ON  
 Dec 2 - 5 . . . . . Toronto, ON

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

Jan 3 - 4 . . . . . Toronto, ON  
 May 16 - 17 . . . . . Toronto, ON  
 Sep 30 - Oct 1 . . . . . Toronto, ON  
 Dec 23 - 24 . . . . . Toronto, ON

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

Jan 29 - Feb 1 . . . . . Ottawa, ON  
 Feb 20 - 23 . . . . . Toronto, ON  
 Apr 15 - 18 . . . . . Toronto, ON  
 Jun 24 - 27 . . . . . Toronto, ON  
 Jul 8 - 11 . . . . . Ottawa, ON  
 Aug 19 - 22 . . . . . Toronto, ON  
 Sep 16 - 19 . . . . . Halifax, NS  
 Oct 28 - 31 . . . . . Toronto, ON  
 Nov 4 - 7 . . . . . Ottawa, ON  
 Dec 2 - 5 . . . . . Toronto, ON

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

Jan 29 - Feb 1 . . . . . Ottawa, ON  
 Feb 20 - 23 . . . . . Toronto, ON  
 Apr 15 - 18 . . . . . Toronto, ON  
 Jun 24 - 27 . . . . . Toronto, ON  
 Jul 8 - 11 . . . . . Ottawa, ON  
 Aug 19 - 22 . . . . . Toronto, ON  
 Sep 16 - 19 . . . . . Halifax, NS  
 Oct 28 - 31 . . . . . Toronto, ON  
 Nov 4 - 7 . . . . . Ottawa, ON  
 Dec 2 - 5 . . . . . Toronto, ON

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

Feb 20 - 23 . . . . . Toronto, ON  
 Apr 15 - 18 . . . . . Toronto, ON  
 Jun 24 - 27 . . . . . Toronto, ON  
 Aug 19 - 22 . . . . . Toronto, ON  
 Oct 28 - 31 . . . . . Toronto, ON  
 Dec 2 - 5 . . . . . Toronto, ON

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

Jan 3 - 4 . . . . . Toronto, ON  
 May 16 - 17 . . . . . Toronto, ON  
 Sep 30 - Oct 1 . . . . . Toronto, ON  
 Dec 23 - 24 . . . . . Toronto, ON

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

Feb 2 . . . . . Ottawa, ON  
 Apr 19 . . . . . Toronto, ON  
 Jul 12 . . . . . Ottawa, ON  
 Aug 23 . . . . . Toronto, ON  
 Nov 1 . . . . . Toronto, ON  
 Nov 8 . . . . . Ottawa, ON  
 Dec 6 . . . . . Toronto, ON

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

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.



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

#### Rework & Repair

- IPC-7711 & IPC-7721 Instructor & Operator Certification

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- Seminars & Workshops
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- SAE AS5553 Counterfeit Electronics

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#### Hands-On Labs

- Crimping & Harness Assembly Training

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- Manufacturing Start-Up
- Process Evaluation
- Subcontractor Qualification
- Equipment Evaluation
- Lead-Free, ESD, Process and Quality Audits

## Canada Markham & Ottawa, ON | Halifax, NS

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

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

Feb 12 - 14 . . . . . Toronto, ON  
 May 8 - 10 . . . . . Toronto, ON  
 Aug 5 - 7 . . . . . Toronto, ON  
 Nov 27 - 29 . . . . . Toronto, ON

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

Feb 12 - 14 . . . . . Toronto, ON  
 May 8 - 10 . . . . . Toronto, ON  
 Aug 5 - 7 . . . . . Toronto, ON  
 Nov 27 - 29 . . . . . Toronto, ON

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

Feb 12 - 14 . . . . . Toronto, ON  
 May 8 - 10 . . . . . Toronto, ON  
 Aug 5 - 7 . . . . . Toronto, ON  
 Nov 27 - 29 . . . . . Toronto, ON

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

Feb 12 - 14 . . . . . Toronto, ON  
 May 8 - 10 . . . . . Toronto, ON  
 Aug 5 - 7 . . . . . Toronto, ON  
 Nov 27 - 29 . . . . . Toronto, ON

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

Feb 12 - 14 . . . . . Toronto, ON  
 May 8 - 10 . . . . . Toronto, ON  
 Aug 5 - 7 . . . . . Toronto, ON  
 Nov 27 - 29 . . . . . Toronto, ON

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

Feb 12 - 14 . . . . . Toronto, ON  
 May 8 - 10 . . . . . Toronto, ON  
 Aug 5 - 7 . . . . . Toronto, ON  
 Nov 27 - 29 . . . . . Toronto, ON

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

Mar 11 - 15 . . . . . Toronto, ON  
 Jun 10 - 14 . . . . . Toronto, ON  
 Oct 21 - 25 . . . . . Toronto, ON  
 Dec 9 - 13 . . . . . Toronto, ON

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

Feb 15 - 16 . . . . . Toronto, ON  
 May 6 - 7 . . . . . Toronto, ON  
 Aug 8 - 9 . . . . . Toronto, ON  
 Nov 25 - 26 . . . . . Toronto, ON

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

Mar 11 - 15 . . . . . Toronto, ON  
 Jun 10 - 14 . . . . . Toronto, ON  
 Oct 21 - 25 . . . . . Toronto, ON  
 Dec 9 - 13 . . . . . Toronto, ON

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

Feb 15 - 16 . . . . . Toronto, ON  
 May 6 - 7 . . . . . Toronto, ON  
 Aug 8 - 9 . . . . . Toronto, ON  
 Nov 25 - 26 . . . . . Toronto, ON

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

Mar 11 - 15 . . . . . Toronto, ON  
 Jun 10 - 14 . . . . . Toronto, ON  
 Oct 21 - 25 . . . . . Toronto, ON  
 Dec 9 - 13 . . . . . Toronto, ON

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

Feb 15 - 16 . . . . . Toronto, ON  
 May 6 - 7 . . . . . Toronto, ON  
 Aug 8 - 9 . . . . . Toronto, ON  
 Nov 25 - 26 . . . . . Toronto, ON

### Hand Soldering Certification

Jan 22 - 26 . . . . . Toronto, ON  
 Feb 26 - Mar 1 . . . . . Toronto, ON  
 Mar 18 - 22 . . . . . Toronto, ON  
 Apr 22 - 26 . . . . . Toronto, ON  
 May 13 - 17 . . . . . Ottawa, ON  
 Jun 3 - 7 . . . . . Toronto, ON  
 Jul 22 - 26 . . . . . Toronto, ON  
 Aug 12 - 16 . . . . . Toronto, ON  
 Sep 23 - 27 . . . . . Toronto, ON  
 Sep 30 - Oct 4 . . . . . Ottawa, ON  
 Nov 4 - 8 . . . . . Toronto, ON

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

Jan 5 . . . . . Toronto, ON  
 May 15 . . . . . Toronto, ON  
 Jul 12 . . . . . Toronto, ON  
 Oct 2 . . . . . Toronto, ON

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

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.