



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

Become certified to train your workforce to identify accept/reject criteria for all three classes of assembly production.

Jan 21 - 24	Markham, ON
Apr 22 - 25	Ottawa, ON
Apr 22 - 25	Markham, ON
Jul 15 - 18	Ottawa, ON
Aug 19 - 22	Markham, ON
Nov 25 - 28	Markham, ON

Recertifications (Req. 24 mos.)

Feb 11 - 12	Markham, ON
May 6 - 7	Markham, ON
Aug 12 - 13	Markham, ON
Nov 11 - 12	Markham, ON

IPC-A-610 Certified IPC Specialist

Learn the accept/reject criteria for all 3 classes of assembly production as published in the most widely used inspection specification, IPC-A-610.

Jan 21 - 23	Markham, ON
Apr 22 - 24	Ottawa, ON
Apr 22 - 24	Markham, ON
Jul 15 - 17	Ottawa, ON
Aug 19 - 21	Markham, ON
Oct 23 - 25	Ottawa, ON
Nov 25 - 27	Markham, ON
Dec 2 - 4	Halifax, NS

Recertifications (Req. 24 mos.)

Jan 21 - 23	Markham, ON
Apr 22 - 24	Ottawa, ON
Apr 22 - 24	Markham, ON
Jul 15 - 17	Ottawa, ON
Aug 19 - 21	Markham, ON
Oct 23 - 25	Ottawa, ON
Nov 25 - 27	Markham, ON
Dec 2 - 4	Halifax, NS

Interactive PCB Inspection Lab (optional)

Hands-on inspection of real PCB assemblies and application of accept/reject criteria.

Jan 25	Markham, ON
Apr 26	Ottawa, ON
Apr 26	Markham, ON
Jul 19	Ottawa, ON
Aug 23	Markham, ON
Nov 29	Markham, ON
Dec 6	Halifax, NS

J-STD-001 Certified IPC Trainer

Acquire the skills, instructional materials and industry certification to deliver IPC's J-STD-001 Operator Training program.

Jan 21 - 25	Ottawa, ON
Feb 4 - 8	Markham, ON
Jul 8 - 12	Markham, ON
Aug 5 - 9	Ottawa, ON
Sep 9 - 13	Markham, ON
Dec 9 - 13	Markham, ON
Dec 16 - 20	Ottawa, ON

Recertifications (Req. 24 mos.)

Feb 13 - 14	Markham, ON
May 8 - 9	Markham, ON
Aug 14 - 16	Markham, ON
Nov 20 - 21	Markham, ON

J-STD-001 Space Addendum Certified IPC Trainer (optional)

Feb 18	Markham, ON
May 27	Markham, ON
Jul 15	Markham, ON
Aug 30	Markham, ON
Sep 16	Markham, ON
Nov 18	Markham, ON
Dec 23	Markham, ON

Recertifications (Req. 24 mos.)

Feb 18	Markham, ON
May 27	Markham, ON
Jul 15	Markham, ON
Aug 30	Markham, ON
Sep 16	Markham, ON
Nov 18	Markham, ON
Dec 23	Markham, ON

J-STD-001 Certified IPC Specialist

Interpret the J-STD-001 specification in 5 one-day modules: Theory, Wires & Terminals, Through-Hole, Surface Mount and Inspection

Jan 21 - 25	Ottawa, ON
Feb 4 - 8	Markham, ON
Jul 8 - 12	Markham, ON
Aug 5 - 9	Ottawa, ON
Sep 9 - 13	Markham, ON
Sep 16 - 20	Halifax, NS
Dec 9 - 13	Markham, ON
Dec 16 - 20	Ottawa, ON

Recertifications (Req. 24 mos.)

Feb 13 - 15	Markham, ON
May 8 - 10	Markham, ON
Aug 14 - 16	Markham, ON
Nov 13 - 15	Markham, ON

J-STD-001 Space Addendum Certified IPC Specialist (optional)

Module 6 covering the 001 Space Addendum.

Feb 18	Markham, ON
May 27	Markham, ON
Jul 15	Markham, ON
Aug 30	Markham, ON
Sep 16	Markham, ON
Nov 18	Markham, ON
Dec 23	Markham, ON

Recertifications (Req. 24 mos.)

Feb 18	Markham, ON
May 27	Markham, ON
Jul 15	Markham, ON
Aug 30	Markham, ON
Sep 16	Markham, ON
Nov 18	Markham, ON
Dec 23	Markham, ON

IPC-A-600 Certified IPC Trainer

Become an expert in the quality standards of printed circuit boards and be certified for inspection and instruction.

Jan 9 - 11	Markham, ON
Mar 25 - 27	Markham, ON
May 29 - 31	Markham, ON
Oct 16 - 18	Markham, ON

Recertifications (Req. 24 mos.)

Jan 9 - 11	Markham, ON
Mar 25 - 27	Markham, ON
May 29 - 31	Markham, ON
Oct 16 - 18	Markham, ON

IPC-A-600 Certified IPC Specialist

Learn quality standards of PCBs and be certified for inspection of bare boards.

Jan 9 - 11	Markham, ON
Mar 25 - 27	Markham, ON
May 29 - 31	Markham, ON
Oct 16 - 18	Markham, ON

Recertifications (Req. 24 mos.)

Jan 9 - 11	Markham, ON
Mar 25 - 27	Markham, ON
May 29 - 31	Markham, ON
Oct 16 - 18	Markham, ON

IPC-6012 Certified IPC Specialist

Learn about the design, specifications, fabrication and inspection of printed circuit boards.

Mar 4 - 7	Markham, ON
Jun 10 - 13	Markham, ON
Sep 17 - 20	Markham, ON

Recertifications (Req. 24 mos.)

Mar 4 - 7	Markham, ON
Jun 10 - 13	Markham, ON
Sep 17 - 20	Markham, ON

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

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PCB Fundamentals

- Component Identification
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IDEA-STD-1010

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- IDEA-STD-1010 Essentials
- SAE AS5553 Counterfeit Electronics

CABLE & WIRE HARNESS TECHNOLOGY

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- Crimping & Harness Assembly Training

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IPC-7711/7721 Certified IPC Trainer

Become an qualified to instruct operators in the required knowledge and skills for component rework and bare board repair.

Jan 28 - Feb 1 Markham, ON
 Jun 3 - 7 Markham, ON
 Dec 16 - 20 Markham, ON

Recertifications (Req. 24 mos.)

Mar 28 - 29 Markham, ON
 Jun 24 - 25 Markham, ON
 Oct 23 - 24 Markham, ON

IPC-7711/7721 Certified IPC Specialist

Learn general requirements and practice damage-free removal and replacement techniques for wires and terminals, through-hole components and surface mount components. Develop advanced skills for repairing PWBs, including conductor/land repair, lifted conductor/land/ pad repair and base material.

Jan 28 - Feb 1 Markham, ON
 Jun 3 - 7 Markham, ON
 Dec 16 - 20 Markham, ON

Recertifications (Req. 24 mos.)

Mar 28 - 29 Markham, ON
 Jun 24 - 25 Markham, ON
 Oct 23 - 24 Markham, ON

IDEA Counterfeit Component Workshop

A basic introduction to Counterfeit Mitigation and to IDEA-STD-1010, including methods for the visual detection of counterfeit and standard characteristics through a hands-on workshop. A unique opportunity to examine real components with live, on-site microscopic magnification to obtain experience in the visual inspection techniques of IDEA-STD-1010 and learn how to detect counterfeit components firsthand.

May 22 Markham, ON
 Oct 25 Markham, ON

IPC Certified Interconnect Designer

This course goes beyond the fundamentals of component placement and track routing to encompass a complete understanding of all the elements that go into the development of a printed circuit board.

Aug 26 - 29 Markham, ON

IPC Advanced Certified Interconnect Designer

This course delves into design and fabrication issues that go beyond the fundamentals of layout, component placement and routing consideration to understanding fabrication materials, testing of not only electrical, but physical aspects of boards, electrical and signaling issues, complex component mounting strategies and requirements, and fabrication considerations for high end circuitry.

Apr 16 - 19 Markham, ON

IPC-A-620 Certified IPC Trainer

Become an expert in quality standards of Wire, Cable and Harness, and be certified for inspection and instruction.

Feb 25 - 28 Markham, ON
 Jul 22 - 25 Markham, ON
 Sep 30 - Oct 3 Markham, ON
 Dec 2 - 5 Markham, ON

Recertifications (Req. 24 mos.)

Feb 20 - 21 Markham, ON
 Jun 26 - 27 Markham, ON
 Nov 20 - 21 Markham, ON

IPC-A-620 Certified IPC Specialist

Learn assembly requirements and acceptance criteria for all three classes of cable and wire harness assembly.

Jan 7 - 10 Ottawa, ON
 Feb 25 - 28 Markham, ON
 Apr 15 - 18 Halifax, NS
 May 6 - 9 Ottawa, ON
 Jul 22 - 25 Markham, ON
 Sep 23 - 26 Ottawa, ON
 Sep 30 - Oct 3 Markham, ON
 Oct 28 - 31 Halifax, NS
 Dec 2 - 5 Markham, ON

Recertifications (Req. 24 mos.)

Jan 7 - 10 Ottawa, ON
 Feb 25 - 28 Markham, ON
 Apr 15 - 18 Halifax, NS
 May 6 - 9 Ottawa, ON
 Jul 22 - 25 Markham, ON
 Sep 23 - 26 Ottawa, ON
 Sep 30 - Oct 3 Markham, ON
 Oct 28 - 31 Halifax, NS
 Dec 2 - 5 Markham, ON

IPC-A-620 Hands On Labs (optional)

Additional day of hands-on labs in which students perform necessary procedures for building an entire wire harness assembly

Jan 11 Ottawa, ON
 Mar 1 Markham, ON
 Apr 19 Halifax, NS
 May 10 Ottawa, ON
 Jul 26 Markham, ON
 Sep 27 Ottawa, ON
 Oct 4 Markham, ON
 Nov 1 Halifax, NS
 Dec 6 Markham, ON

Hand Soldering Certification

Introduces the basics of soldering, terms & definitions and equipment familiarization. Wires and Terminals, and Through-Hole Soldering and Rework is taught through hands-on construction and inspection of two Through-Hole boards with 100 inspection points. Students learn the acceptance criteria for Surface Mount Assembly and Rework first hand through the construction, inspection and rework of a surface mount board with over sixty components.

Lead and Lead-free included.

Jan 14 - 18 Markham, ON
 Feb 25 - Mar 1 Ottawa, ON
 Apr 1 - 5 Markham, ON
 Apr 29 - May 3 Ottawa, ON
 May 13 - 17 Markham, ON
 May 27 - 31 Halifax, NS
 Jul 22 - 26 Ottawa, ON
 Jul 29 - Aug 2 Markham, ON
 Aug 19 - 23 Halifax, NS
 Sep 23 - 27 Markham, ON
 Nov 4 - 8 Markham, ON
 Nov 18 - 22 Ottawa, ON

Recertifications

Feb 22 Markham, ON
 Jul 16 Markham, ON
 Nov 22 Markham, ON

Crimp Terminations Certification

EPTAC's Hand Crimp Termination Program

Feb 19 Markham, ON
 May 28 Markham, ON
 Aug 16 Markham, ON
 Nov 19 Markham, ON

Electrostatic Discharge Training

EPTAC's ESD Training Program

Mar 8 Markham, ON
 May 23 Markham, ON
 Jul 17 Markham, ON
 Oct 22 Markham, ON

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