



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

Mid West Minneapolis, MN; Schaumburg & Rosemont, IL; Kansas City, MO

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

IPC-A-610 Certified IPC Trainer (CIT)

Jan 23 - 26 ... Schaumburg, IL
 Feb 6 - 9 ... Kansas City, MO
 Feb 28 - Mar 3 ... Minneapolis, MN
 Mar 20 - 23 ... Schaumburg, IL
 Apr 17 - 20 ... Schaumburg, IL
 May 22 - 25 ... Minneapolis, MN
 Jun 19 - 22 ... Kansas City, MO
 Jul 24 - 27 ... Schaumburg, IL
 Aug 21 - 24 ... Minneapolis, MN
 Oct 23 - 26 ... Schaumburg, IL
 Oct 30 - Nov 2 ... Kansas City, MO
 Nov 6 - 9 ... Minneapolis, MN

Recertifications (Req. 24 mos.)

Jan 16 - 17 ... Kansas City, MO
 Jan 24 - 25 ... Minneapolis, MN
 Jan 30 - 31 ... Schaumburg, IL
 Apr 10 - 11 ... Schaumburg, IL
 May 16 - 17 ... Minneapolis, MN
 Aug 15 - 16 ... Minneapolis, MN
 Aug 28 - 29 ... Schaumburg, IL
 Aug 29 - 30 ... Kansas City, MO
 Nov 7 - 8 ... Schaumburg, IL
 Nov 13 - 14 ... Minneapolis, MN

IPC-A-610 Certified IPC Specialist (CIS)

Jan 23 - 25 ... Schaumburg, IL
 Feb 6 - 8 ... Kansas City, MO
 Mar 20 - 22 ... Schaumburg, IL
 Apr 17 - 19 ... Schaumburg, IL
 Jun 19 - 21 ... Kansas City, MO
 Jul 24 - 26 ... Schaumburg, IL
 Oct 23 - 25 ... Schaumburg, IL
 Oct 30 - Nov 1 ... Kansas City, MO

Recertifications (Req. 24 mos.)

Jan 23 - 25 ... Schaumburg, IL
 Feb 6 - 8 ... Kansas City, MO
 Mar 20 - 22 ... Schaumburg, IL
 Apr 17 - 19 ... Schaumburg, IL
 Jun 19 - 21 ... Kansas City, MO
 Jul 24 - 26 ... Schaumburg, IL
 Oct 23 - 25 ... Schaumburg, IL
 Oct 30 - Nov 1 ... Kansas City, MO

IPC-A-610 Certified Standards Expert (CSE)

Jan 23 - 26 ... Schaumburg, IL
 Feb 6 - 9 ... Kansas City, MO
 Feb 28 - Mar 3 ... Minneapolis, MN
 Mar 20 - 23 ... Schaumburg, IL
 Apr 17 - 20 ... Schaumburg, IL
 May 22 - 25 ... Minneapolis, MN
 Jun 19 - 22 ... Kansas City, MO
 Jul 24 - 27 ... Schaumburg, IL
 Aug 21 - 24 ... Minneapolis, MN
 Oct 23 - 26 ... Schaumburg, IL
 Oct 30 - Nov 2 ... Kansas City, MO
 Nov 6 - 9 ... Minneapolis, MN

Recertifications (Req. 24 mos.)

Jan 16 - 17 ... Kansas City, MO
 Jan 24 - 25 ... Minneapolis, MN
 Jan 30 - 31 ... Schaumburg, IL
 Apr 10 - 11 ... Schaumburg, IL
 May 16 - 17 ... Minneapolis, MN
 Aug 15 - 16 ... Minneapolis, MN
 Aug 28 - 29 ... Schaumburg, IL
 Aug 29 - 30 ... Kansas City, MO
 Nov 7 - 8 ... Schaumburg, IL
 Nov 13 - 14 ... Minneapolis, MN

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

Jan 27 ... Schaumburg, IL
 Apr 21 ... Schaumburg, IL
 Jun 23 ... Kansas City, MO
 Jul 28 ... Schaumburg, IL
 Oct 27 ... Schaumburg, IL
 Nov 3 ... Kansas City, MO
 Nov 10 ... Minneapolis, MN

J-STD-001 Certified IPC Trainer (CIT)

Feb 6 - 10 ... Schaumburg, IL
 Mar 13 - 17 ... Kansas City, MO
 Mar 27 - 31 ... Minneapolis, MN
 May 15 - 19 ... Schaumburg, IL
 Jun 26 - 30 ... Minneapolis, MN
 Jul 17 - 21 ... Kansas City, MO
 Sep 11 - 15 ... Schaumburg, IL
 Sep 25 - 29 ... Minneapolis, MN
 Dec 18 - 22 ... Schaumburg, IL
 Dec 18 - 22 ... Kansas City, MO

Recertifications (Req. 24 mos.)

Jan 18 - 19 ... Kansas City, MO
 Jan 26 - 27 ... Minneapolis, MN
 Feb 1 - 2 ... Schaumburg, IL
 Apr 12 - 13 ... Schaumburg, IL
 May 18 - 19 ... Minneapolis, MN
 Aug 17 - 18 ... Minneapolis, MN
 Aug 30 - 31 ... Schaumburg, IL
 Aug 31 - Sep 1 ... Kansas City, MO
 Nov 9 - 10 ... Schaumburg, IL
 Nov 15 - 16 ... Minneapolis, MN

J-STD-001 Certified IPC Specialist (CIS)

Feb 6 - 10 ... Schaumburg, IL
 Mar 13 - 17 ... Kansas City, MO
 May 15 - 19 ... Schaumburg, IL
 Jul 17 - 21 ... Kansas City, MO
 Sep 11 - 15 ... Schaumburg, IL
 Dec 18 - 22 ... Kansas City, MO
 Dec 18 - 22 ... Schaumburg, IL

Recertifications (Req. 24 mos.)

Feb 6 - 10 ... Schaumburg, IL
 Mar 13 - 17 ... Kansas City, MO
 May 15 - 19 ... Schaumburg, IL
 Jul 17 - 21 ... Kansas City, MO
 Sep 11 - 15 ... Schaumburg, IL
 Dec 18 - 22 ... Kansas City, MO
 Dec 18 - 22 ... Schaumburg, IL

J-STD-001 Certified Standards Expert (CSE)

Feb 6 - 10 ... Schaumburg, IL
 Mar 13 - 17 ... Kansas City, MO
 Mar 27 - 31 ... Minneapolis, MN
 May 15 - 19 ... Schaumburg, IL
 Jun 26 - 30 ... Minneapolis, MN
 Jul 17 - 21 ... Kansas City, MO
 Sep 11 - 15 ... Schaumburg, IL
 Sep 25 - 29 ... Minneapolis, MN
 Dec 18 - 22 ... Schaumburg, IL
 Dec 18 - 22 ... Kansas City, MO

Recertifications (Req. 24 mos.)

Jan 18 - 19 ... Kansas City, MO
 Jan 26 - 27 ... Minneapolis, MN
 Feb 1 - 2 ... Schaumburg, IL
 Apr 12 - 13 ... Schaumburg, IL
 May 18 - 19 ... Minneapolis, MN
 Aug 17 - 18 ... Minneapolis, MN
 Aug 30 - 31 ... Schaumburg, IL
 Aug 31 - Sep 1 ... Kansas City, MO
 Nov 9 - 10 ... Schaumburg, IL
 Nov 15 - 16 ... Minneapolis, MN

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.

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



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Rework & Repair

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

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- Component Identification
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Hands-On Labs

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- Process Evaluation
- Subcontractor Qualification
- Equipment Evaluation
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Mid West Minneapolis, MN; Schaumburg & Rosemont, IL; Kansas City, MO

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IPC-A-620 Certified IPC Trainer (CIT)

Jan 9 - 12 ... Kansas City, MO
 Feb 20 - 23 ... Schaumburg, IL
 Apr 24 - 27 ... Minneapolis, MN
 May 8 - 11 ... Schaumburg, IL
 May 1 - 4 ... Kansas City, MO
 Jun 12 - 15 ... Minneapolis, MN
 Aug 14 - 17 ... Schaumburg, IL
 Sep 11 - 14 ... Minneapolis, MN
 Oct 2 - 5 ... Schaumburg, IL
 Oct 16 - 19 ... Kansas City, MO
 Nov 27 - 30 ... Schaumburg, IL
 Dec 5 - 8 ... Minneapolis, MN

Recertifications (Req. 24 mos.)

Jan 9 - 12 ... Kansas City, MO
 Feb 20 - 23 ... Schaumburg, IL
 Apr 24 - 27 ... Minneapolis, MN
 May 8 - 11 ... Schaumburg, IL
 May 1 - 4 ... Kansas City, MO
 Jun 12 - 15 ... Minneapolis, MN
 Aug 14 - 17 ... Schaumburg, IL
 Sep 11 - 14 ... Minneapolis, MN
 Oct 2 - 5 ... Schaumburg, IL
 Oct 16 - 19 ... Kansas City, MO
 Nov 27 - 30 ... Schaumburg, IL
 Dec 5 - 8 ... Minneapolis, MN

IPC-A-620 Certified IPC Specialist (CIS)

Jan 9 - 12 ... Kansas City, MO
 Feb 20 - 23 ... Schaumburg, IL
 May 8 - 11 ... Schaumburg, IL
 May 1 - 4 ... Kansas City, MO
 Aug 14 - 17 ... Schaumburg, IL
 Oct 2 - 5 ... Schaumburg, IL
 Oct 16 - 19 ... Kansas City, MO
 Nov 27 - 30 ... Schaumburg, IL

Recertifications (Req. 24 mos.)

Jan 9 - 12 ... Kansas City, MO
 Feb 20 - 23 ... Schaumburg, IL
 May 1 - 4 ... Kansas City, MO
 May 8 - 11 ... Schaumburg, IL
 Aug 14 - 17 ... Schaumburg, IL
 Oct 2 - 5 ... Schaumburg, IL
 Oct 16 - 19 ... Kansas City, MO
 Nov 27 - 30 ... Schaumburg, IL

IPC-A-620 Certified Standards Expert (CSE)

Jan 9 - 12 ... Kansas City, MO
 Feb 20 - 23 ... Schaumburg, IL
 Apr 24 - 27 ... Minneapolis, MN
 May 1 - 4 ... Kansas City, MO
 May 8 - 11 ... Schaumburg, IL
 Jun 12 - 15 ... Minneapolis, MN
 Aug 14 - 17 ... Schaumburg, IL
 Sep 11 - 14 ... Minneapolis, MN
 Oct 2 - 5 ... Schaumburg, IL
 Oct 16 - 19 ... Kansas City, MO
 Nov 27 - 30 ... Schaumburg, IL
 Dec 5 - 8 ... Minneapolis, MN

IPC-A-620 Hands-on Labs

Jan 13 ... Kansas City, MO
 Feb 24 ... Schaumburg, IL
 Apr 28 ... Minneapolis, MN
 May 5 ... Kansas City, MO
 Jun 16 ... Minneapolis, MN
 Aug 18 ... Schaumburg, IL
 Oct 6 ... Schaumburg, IL
 Oct 20 ... Kansas City, MO
 Dec 1 ... Schaumburg, IL

IPC-A-600 Certified IPC Trainer (CIT)

Mar 27 - 29 ... Schaumburg, IL
 Jul 19 - 21 ... Schaumburg, IL

Recertifications (Req. 24 mos.)

Mar 27 - 29 ... Schaumburg, IL
 Jul 19 - 21 ... Schaumburg, IL

IPC-A-600 Certified IPC Specialist (CIS)

Mar 27 - 29 ... Schaumburg, IL
 Jul 19 - 21 ... Schaumburg, IL

Recertifications (Req. 24 mos.)

Mar 27 - 29 ... Schaumburg, IL
 Jul 19 - 21 ... Schaumburg, IL

IPC-A-600 Certified Standards Expert (CSE)

Mar 27 - 29 ... Schaumburg, IL
 Jul 19 - 21 ... Schaumburg, IL

Recertifications (Req. 24 mos.)

Mar 27 - 29 ... Schaumburg, IL
 Jul 19 - 21 ... Schaumburg, IL

IPC-7711/7721 Certified IPC Trainer (CIT)

Jan 30 - Feb 3 ... Minneapolis, MN
 Mar 13 - 17 ... Schaumburg, IL
 May 8 - 12 ... Minneapolis, MN
 Jul 10 - 14 ... Schaumburg, IL
 Oct 30 - Nov 3 ... Schaumburg, IL
 Dec 11 - 15 ... Minneapolis, MN

Recertifications (Req. 24 mos.)

Mar 2 - 3 ... Schaumburg, IL
 Mar 23 - 24 ... Minneapolis, MN
 Jul 24 - 25 ... Minneapolis, MN
 Sep 20 - 21 ... Schaumburg, IL
 Dec 12 - 13 ... Schaumburg, IL

IPC-7711/7721 Certified IPC Specialist (CIS)

Mar 13 - 17 ... Schaumburg, IL
 Jul 10 - 14 ... Schaumburg, IL
 Oct 30 - Nov 3 ... Schaumburg, IL

Recertifications (Req. 24 mos.)

Mar 2 - 3 ... Schaumburg, IL
 Sep 20 - 21 ... Schaumburg, IL
 Dec 12 - 13 ... Schaumburg, IL

IPC-7711/7721 Certified Standards Expert (CSE)

Jan 30 - Feb 3 ... Minneapolis, MN
 Mar 13 - 17 ... Schaumburg, IL
 May 8 - 12 ... Minneapolis, MN
 Jul 10 - 14 ... Schaumburg, IL
 Oct 30 - Nov 3 ... Schaumburg, IL
 Dec 11 - 15 ... Minneapolis, MN

Recertifications (Req. 24 mos.)

Mar 2 - 3 ... Schaumburg, IL
 Mar 23 - 24 ... Minneapolis, MN
 Jul 24 - 25 ... Minneapolis, MN
 Sep 20 - 21 ... Schaumburg, IL
 Dec 12 - 13 ... Schaumburg, IL

IDEA Essentials

Oct 16 - 17 ... Schaumburg, IL

Hand Soldering Certification

Jan 9 - 13 ... Schaumburg, IL
 Feb 13 - 17 ... Schaumburg, IL
 Feb 20 - 24 ... Minneapolis, MN
 Mar 6 - 10 ... Schaumburg, IL
 Apr 3 - 7 ... Schaumburg, IL
 Apr 10 - 14 ... Kansas City, MO
 Apr 17 - 21 ... Minneapolis, MN
 May 22 - 26 ... Schaumburg, IL
 Jun 12 - 16 ... Schaumburg, IL
 Aug 7 - 11 ... Minneapolis, MN
 Sep 18 - 22 ... Kansas City, MO
 Oct 23 - 27 ... Minneapolis, MN
 Nov 13 - 17 ... Schaumburg, IL

Recertifications (Req. 24 mos.)

Jan 20 ... Kansas City, MO
 Mar 1 ... Schaumburg, IL
 Jun 21 ... Schaumburg, IL
 Nov 6 ... Schaumburg, IL
 Nov 17 ... Kansas City, MO

Advanced SMT Micro Hand Soldering Certification

Mar 30 - 31 ... Schaumburg, IL
 Jun 1 - 2 ... Schaumburg, IL
 Dec 14 - 15 ... Schaumburg, IL

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