



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

IPC-A-610 Certified IPC Trainer (CIT)

IPC-A-610 "The Acceptability of Electronic Assemblies"

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

IPC-A-610 CIT Certification

Jan 6 - 9	Buffalo, NY	Jul 14 - 17	Seattle, WA
Jan 6 - 9	Watertown, CT	Jul 21 - 24	Palm Bay, FL
Jan 6 - 9	San Jose, CA	Jul 21 - 24	Schaumburg, IL
Jan 13 - 16	San Diego, CA	Jul 28 - 31	Toronto, ON
Jan 13 - 16	Schaumburg, IL	Aug 4 - 7	San Jose, CA
Jan 13 - 16	Toronto, ON	Aug 4 - 7	Minneapolis, MN
Jan 14 - 17	Seattle, WA	Aug 11 - 14	Manchester, NH
Jan 20 - 23	Pittsburgh, PA	Aug 25 - 28	Anaheim, CA
Jan 27 - 30	Palm Bay, FL	Sep 8 - 11	Portland, OR
Feb 3 - 6	Kansas City, MO	Sep 8 - 11	San Jose, CA
Feb 3 - 6	Portland, OR	Sep 15 - 18	Rochester, NY
Feb 3 - 6	Manchester, NH	Sep 15 - 18	Toronto, ON
Feb 10 - 13	San Jose, CA	Sep 15 - 18	San Diego, CA
Feb 17 - 20	Anaheim, CA	Sep 22 - 25	Watertown, CT
Feb 18 - 21	Minneapolis, MN	Sep 22 - 25	Schaumburg, IL
Feb 18 - 21	Rochester, NY	Sep 22 - 25	Seattle, WA
Mar 3 - 6	Seattle, WA	Oct 6 - 9	Palm Bay, FL
Mar 11 - 14	San Diego, CA	Oct 13 - 16	Minneapolis, MN
Mar 17 - 20	Watertown, CT	Oct 13 - 16	Buffalo, NY
Mar 17 - 20	Schaumburg, IL	Oct 20 - 23	Long Island, NY
Mar 24 - 27	Long Island, NY	Oct 20 - 23	Manchester, NH
Mar 24 - 27	Toronto, ON	Oct 27 - 30	San Jose, CA
Mar 31 - Apr 3	Ottawa, ON	Oct 27 - 30	Kansas City, MO
Mar 31 - Apr 3	Portland, OR	Nov 10 - 13	Akron, OH
Apr 7 - 10	Minneapolis, MN	Nov 10 - 13	Portland, OR
Apr 7 - 10	Manchester, NH	Nov 10 - 13	Anaheim, CA
Apr 14 - 17	Anaheim, CA	Nov 10 - 13	Watertown, CT
Apr 21 - 23	Palm Bay, FL	Nov 11 - 14	Toronto, ON
Apr 21 - 24	San Jose, CA	Nov 17 - 20	Seattle, WA
May 5 - 8	Schaumburg, IL	Nov 17 - 20	Schaumburg, IL
May 5 - 8	Rochester, NY	Nov 17 - 20	San Diego, CA
May 5 - 8	Seattle, WA	Nov 17 - 20	Ottawa, ON
May 5 - 8	Watertown, CT	Dec 1 - 4	Pittsburgh, PA
May 12 - 15	San Diego, CA	Dec 1 - 4	Binghamton, NY
May 19 - 22	San Jose, CA	Dec 1 - 4	San Jose, CA
May 26 - 29	Toronto, ON	Dec 1 - 4	Minneapolis, MN
May 27 - 30	Buffalo, NY	Dec 8 - 11	Manchester, NH

ON-LINE Start time: 10am E.S.T.

Jan 6 - 9	Jul 14 - 17
Jan 27 - 30	Aug 4 - 7
Feb 17 - 20	Aug 25 - 28
Mar 10 - 13	Sep 15 - 18
Mar 31 - Apr 3	Oct 6 - 9
Apr 21 - 24	Oct 27 - 30
May 12 - 15	Nov 17 - 20
Jun 2 - 5	Dec 8 - 11
Jun 23 - 26	

Challenge Test

IN-PERSON Manchester, NH

Jan 3	Jun 19
Jan 24	Aug 7
Feb 14	Sep 12
Feb 26	Oct 17
Apr 11	Nov 7
May 9	Dec 22
Jun 6	

ON-LINE Start time: 10am E.S.T.

Jan 8	May 14	Sep 17
Jan 22	May 28	Oct 1
Feb 5	Jun 11	Oct 15
Feb 19	Jun 25	Oct 29
Mar 5	Jul 9	Nov 12
Mar 19	Jul 23	Nov 24
Apr 2	Aug 6	Dec 10
Apr 16	Aug 20	Dec 22
Apr 30	Sep 3	

IPC-A-610 CIT Recertification

Jan 6 - 7	Toronto, ON	Jul 28 - 29	San Jose, CA
Jan 6 - 7	San Diego, CA	Jul 28 - 29	Watertown, CT
Jan 6 - 7	Palm Bay, FL	Jul 28 - 29	Portland, OR
Jan 6 - 7	Manchester, NH	Aug 11 - 12	Minneapolis, MN
Jan 13 - 14	Watertown, CT	Aug 12 - 13	Buffalo, NY
Jan 14 - 15	Kansas City, MO	Aug 18 - 19	Schaumburg, IL
Jan 20 - 21	Schaumburg, IL	Aug 25 - 26	Kansas City, MO
Jan 20 - 21	Anaheim, CA	Aug 25 - 26	Palm Bay, FL
Jan 27 - 28	Long Island, NY	Sep 2 - 3	Binghamton, NY
Feb 3 - 4	San Jose, CA	Sep 2 - 3	Manchester, NH
Feb 17 - 18	Seattle, WA	Sep 8 - 9	Toronto, ON
Feb 18 - 19	Akron, OH	Oct 6 - 7	Manchester, NH
Feb 24 - 25	Minneapolis, MN	Oct 6 - 7	San Diego, CA
Mar 3 - 4	Rochester, NY	Oct 13 - 14	San Jose, CA
Mar 10 - 11	Palm Bay, FL	Oct 20 - 21	Seattle, WA
Mar 10 - 11	Manchester, NH	Oct 20 - 21	Minneapolis, MN
Mar 25 - 26	Ottawa, ON	Oct 20 - 21	Rochester, NY
Apr 14 - 15	Schaumburg, IL	Oct 27 - 28	Anaheim, CA
Apr 14 - 15	Seattle, WA	Nov 3 - 4	Schaumburg, IL
Apr 14 - 15	San Jose, CA	Nov 3 - 4	Watertown, CT
Apr 21 - 22	Watertown, CT	Nov 10 - 11	Manchester, NH
Apr 28 - 29	Buffalo, NY	Nov 17 - 18	Toronto, ON
Apr 28 - 29	Toronto, ON		
Apr 29 - 30	Anaheim, CA		
May 5 - 6	Manchester, NH		
May 5 - 6	Binghamton, NY		
May 12 - 13	Minneapolis, MN		
Jun 9 - 10	San Diego, CA		
Jun 16 - 17	Seattle, WA		
Jun 23 - 24	Long Island, NY		
Jul 7 - 8	Manchester, NH		
Jul 14 - 15	Toronto, ON		
Jul 21 - 22	Rochester, NY		

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Jan 2 - 3	Jul 7 - 8
Jan 20 - 21	Jul 21 - 22
Feb 10 - 11	Aug 4 - 5
Mar 3 - 4	Aug 25 - 26
Mar 24 - 25	Sep 15 - 16
Apr 14 - 15	Oct 13 - 14
May 5 - 6	Nov 3 - 4
May 29 - 30	Dec 15 - 16
Jun 16 - 17	

Challenge Test

IN-PERSON Manchester, NH

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Feb 19	Jun 25	Oct 29
Mar 5	Jul 9	Nov 12
Mar 19	Jul 23	Nov 24
Apr 2	Aug 6	Dec 10
Apr 16	Aug 20	Dec 22
Apr 30	Sep 3	

ALSO AVAILABLE

IPC-A-610 Interactive PCB Inspection Lab

IPC-A-610 "The Acceptability of Electronic Assemblies"

Utilizes, lectures, visual acuity exercises, and physical assemblies to provide an experience in visually inspecting printed circuit assemblies.

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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Soldering & Assembly

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Bare Board Inspection

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- 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

IPC-A-610 Certified IPC Specialist (CIS)

IPC-A-610 "The Acceptability of Electronic Assemblies"

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

IPC-A-610 CIS Certification & Recertification

Jan 6 - 8 Watertown, CT	May 5 - 7 Manchester, NH	Sep 22 - 24 Seattle, WA
Jan 6 - 8 San Jose, CA	May 12 - 14 San Diego, CA	Sep 30 - Oct 2 Manchester, NH
Jan 13 - 15 Atlanta, GA	May 19 - 21 San Jose, CA	Oct 6 - 8 Palm Bay, FL
Jan 13 - 15 San Diego, CA	May 26 - 28 Toronto, ON	Oct 6 - 8 Atlanta, GA
Jan 13 - 15 Schaumburg, IL	May 27 - 29 Buffalo, NY	Oct 13 - 15 Minneapolis, MN
Jan 13 - 15 Toronto, ON	May 27 - 29 Manchester, NH	Oct 13 - 15 Buffalo, NY
Jan 14 - 16 Seattle, WA	Jun 2 - 4 Portland, OR	Oct 13 - 15 Manchester, NH
Jan 20 - 22 Pittsburgh, PA	Jun 3 - 5 Halifax NS	Oct 20 - 22 Long Island, NY
Jan 20 - 22 Manchester, NH	Jun 9 - 11 Minneapolis, MN	Oct 27 - 29 San Jose, CA
Jan 27 - 29 Palm Bay, FL	Jun 9 - 11 Long Island, NY	Oct 27 - 29 Kansas City, MO
Feb 3 - 5 Kansas City, MO	Jun 9 - 11 Pittsburgh, PA	Nov 3 - 5 Manchester, NH
Feb 3 - 5 Portland, OR	Jun 16 - 18 Kansas City, MO	Nov 10 - 12 Akron, OH
Feb 10 - 12 San Jose, CA	Jun 16 - 18 San Jose, CA	Nov 10 - 12 Portland, OR
Feb 10 - 12 Manchester, NH	Jun 16 - 18 Binghamton, NY	Nov 10 - 12 Anaheim, CA
Feb 17 - 19 Anaheim, CA	Jun 16 - 18 Manchester, NH	Nov 10 - 12 Watertown, CT
Feb 18 - 20 Minneapolis, MN	Jun 23 - 25 Anaheim, CA	Nov 11 - 13 Toronto, ON
Feb 18 - 20 Rochester, NY	Jul 7 - 9 Akron, OH	Nov 17 - 19 Seattle, WA
Mar 3 - 5 Seattle, WA	Jul 7 - 9 Manchester, NH	Nov 17 - 19 Schaumburg, IL
Mar 3 - 5 Manchester, NH	Jul 14 - 16 Watertown, CT	Nov 17 - 19 San Diego, CA
Mar 10 - 12 Syracuse, NY	Jul 14 - 16 San Diego, CA	Nov 17 - 19 Ottawa, ON
Mar 11 - 13 San Diego, CA	Jul 14 - 16 Seattle, WA	Nov 17 - 19 Manchester, NH
Mar 17 - 19 Watertown, CT	Jul 21 - 23 Palm Bay, FL	Nov 17 - 19 Philadelphia, PA
Mar 17 - 19 Schaumburg, IL	Jul 21 - 23 Schaumburg, IL	Dec 1 - 3 Pittsburgh, PA
Mar 17 - 19 Philadelphia, PA	Jul 28 - 30 Atlanta, GA	Dec 1 - 3 Binghamton, NY
Mar 24 - 26 Long Island, NY	Jul 28 - 30 Toronto, ON	Dec 1 - 3 San Jose, CA
Mar 24 - 26 Toronto, ON	Jul 28 - 30 Manchester, NH	Dec 1 - 3 Minneapolis, MN
Mar 24 - 26 Manchester, NH	Jul 28 - 30 Philadelphia, PA	Dec 15 - 17 Manchester, NH
Mar 31 - Apr 2 Ottawa, ON	Aug 4 - 6 San Jose, CA	
Mar 31 - Apr 2 Portland, OR	Aug 4 - 6 Minneapolis, MN	
Apr 7 - 9 Atlanta, GA	Aug 5 - 7 Syracuse, NY	
Apr 7 - 9 Syracuse, NY	Aug 18 - 20 Manchester, NH	
Apr 7 - 9 Minneapolis, MN	Aug 25 - 27 Anaheim, CA	
Apr 14 - 16 Anaheim, CA	Sep 8 - 10 Portland, OR	
Apr 14 - 16 Manchester, NH	Sep 8 - 10 San Jose, CA	
Apr 21 - 23 Palm Bay, FL	Sep 8 - 10 Manchester, NH	
Apr 21 - 23 San Jose, CA	Sep 15 - 17 Rochester, NY	
May 5 - 7 Schaumburg, IL	Sep 15 - 17 Toronto, ON	
May 5 - 7 Rochester, NY	Sep 15 - 17 San Diego, CA	
May 5 - 7 Seattle, WA	Sep 22 - 24 Watertown, CT	
May 5 - 7 Watertown, CT	Sep 22 - 24 Schaumburg, IL	

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

Challenge Test

IN-PERSON Manchester, NH

Jan 3	Jun 19
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Apr 11	Nov 7
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PCB TECHNOLOGY

Quality & Inspection

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Soldering & Assembly

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Bare Board Inspection

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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

IPC-A-610 Certified Standards Expert (CSE)

IPC-A-610 "The Acceptability of Electronic Assemblies"

Become a subject matter expert in IPC-A-610.

IPC-A-610 CSE Certification

Jan 6 - 9 Buffalo, NY	Jul 14 - 17 Seattle, WA
Jan 6 - 9 Watertown, CT	Jul 21 - 24 Palm Bay, FL
Jan 6 - 9 San Jose, CA	Jul 21 - 24 Schaumburg, IL
Jan 13 - 16 San Diego, CA	Jul 28 - 31 Toronto, ON
Jan 13 - 16 Schaumburg, IL	Aug 4 - 7 San Jose, CA
Jan 13 - 16 Toronto, ON	Aug 4 - 7 Minneapolis, MN
Jan 14 - 17 Seattle, WA	Aug 11 - 14 Manchester, NH
Jan 20 - 23 Pittsburgh, PA	Aug 25 - 28 Anaheim, CA
Jan 27 - 30 Palm Bay, FL	Sep 8 - 11 Portland, OR
Feb 3 - 6 Kansas City, MO	Sep 8 - 11 San Jose, CA
Feb 3 - 6 Portland, OR	Sep 15 - 18 Rochester, NY
Feb 3 - 6 Manchester, NH	Sep 15 - 18 Toronto, ON
Feb 10 - 13 San Jose, CA	Sep 15 - 18 San Diego, CA
Feb 17 - 20 Anaheim, CA	Sep 22 - 25 Watertown, CT
Feb 18 - 21 Minneapolis, MN	Sep 22 - 25 Schaumburg, IL
Feb 18 - 21 Rochester, NY	Sep 22 - 25 Seattle, WA
Mar 3 - 6 Seattle, WA	Oct 6 - 9 Palm Bay, FL
Mar 11 - 14 San Diego, CA	Oct 13 - 16 Minneapolis, MN
Mar 17 - 20 Watertown, CT	Oct 13 - 16 Buffalo, NY
Mar 17 - 20 Schaumburg, IL	Oct 20 - 23 Long Island, NY
Mar 24 - 27 Long Island, NY	Oct 20 - 23 Manchester, NH
Mar 24 - 27 Toronto, ON	Oct 27 - 30 San Jose, CA
Mar 31 - Apr 3 Ottawa, ON	Oct 27 - 30 Kansas City, MO
Mar 31 - Apr 3 Portland, OR	Nov 10 - 13 Akron, OH
Apr 7 - 10 Minneapolis, MN	Nov 10 - 13 Portland, OR
Apr 7 - 10 Manchester, NH	Nov 10 - 13 Anaheim, CA
Apr 14 - 17 Anaheim, CA	Nov 10 - 13 Watertown, CT
Apr 21 - 23 Palm Bay, FL	Nov 11 - 14 Toronto, ON
Apr 21 - 24 San Jose, CA	Nov 17 - 20 Seattle, WA
May 5 - 8 Schaumburg, IL	Nov 17 - 20 Schaumburg, IL
May 5 - 8 Rochester, NY	Nov 17 - 20 San Diego, CA
May 5 - 8 Seattle, WA	Nov 17 - 20 Ottawa, ON
May 5 - 8 Watertown, CT	Dec 1 - 4 Pittsburgh, PA
May 12 - 15 San Diego, CA	Dec 1 - 4 Binghamton, NY
May 19 - 22 San Jose, CA	Dec 1 - 4 San Jose, CA
May 26 - 29 Toronto, ON	Dec 1 - 4 Minneapolis, MN
May 27 - 30 Buffalo, NY	Dec 8 - 11 Manchester, NH

ON-LINE Start time: 10am E.S.T.

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Jan 27 - 30	Aug 4 - 7
Feb 17 - 20	Aug 25 - 28
Mar 10 - 13	Sep 15 - 18
Mar 31 - Apr 3	Oct 6 - 9
Apr 21 - 24	Oct 27 - 30
May 12 - 15	Nov 17 - 20
Jun 2 - 5	Dec 8 - 11
Jun 23 - 26	

Challenge Test

IN-PERSON Manchester, NH

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May 9	Dec 22
Jun 6	

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Jan 22	May 28	Oct 1
Feb 5	Jun 11	Oct 15
Feb 19	Jun 25	Oct 29
Mar 5	Jul 9	Nov 12
Mar 19	Jul 23	Nov 24
Apr 2	Aug 6	Dec 10
Apr 16	Aug 20	Dec 22
Apr 30	Sep 3	

IPC-A-610 CSE Recertification

Jan 6 - 7 Toronto, ON	Jul 28 - 29 Watertown, CT
Jan 6 - 7 San Diego, CA	Jul 28 - 29 Portland, OR
Jan 6 - 7 Palm Bay, FL	Aug 11 - 12 Minneapolis, MN
Jan 6 - 7 Manchester, NH	Aug 12 - 13 Buffalo, NY
Jan 13 - 14 Watertown, CT	Aug 18 - 19 Schaumburg, IL
Jan 14 - 15 Kansas City, MO	Aug 25 - 26 Kansas City, MO
Jan 20 - 21 Schaumburg, IL	Aug 25 - 26 Palm Bay, FL
Jan 20 - 21 Anaheim, CA	Sep 2 - 3 Binghamton, NY
Jan 27 - 28 Long Island, NY	Sep 2 - 3 Manchester, NH
Feb 3 - 4 San Jose, CA	Sep 8 - 9 Toronto, ON
Feb 17 - 18 Seattle, WA	Oct 6 - 7 Manchester, NH
Feb 18 - 19 Akron, OH	Oct 6 - 7 San Diego, CA
Feb 24 - 25 Minneapolis, MN	Oct 13 - 14 San Jose, CA
Mar 3 - 4 Rochester, NY	Oct 20 - 21 Seattle, WA
Mar 10 - 11 Palm Bay, FL	Oct 20 - 21 Minneapolis, MN
Mar 10 - 11 Manchester, NH	Oct 20 - 21 Rochester, NY
Mar 25 - 26 Ottawa, ON	Oct 27 - 28 Anaheim, CA
Apr 14 - 15 Schaumburg, IL	Nov 3 - 4 Schaumburg, IL
Apr 14 - 15 Seattle, WA	Nov 3 - 4 Watertown, CT
Apr 14 - 15 San Jose, CA	Nov 10 - 11 Manchester, NH
Apr 21 - 22 Watertown, CT	Nov 17 - 18 Toronto, ON
Apr 28 - 29 Buffalo, NY	
Apr 28 - 29 Toronto, ON	
Apr 29 - 30 Anaheim, CA	
May 5 - 6 Manchester, NH	
May 5 - 6 Binghamton, NY	
May 12 - 13 Minneapolis, MN	
Jun 9 - 10 San Diego, CA	
Jun 16 - 17 Seattle, WA	
Jun 23 - 24 Long Island, NY	
Jul 7 - 8 Manchester, NH	
Jul 14 - 15 Toronto, ON	
Jul 21 - 22 Rochester, NY	
Jul 28 - 29 San Jose, CA	

ON-LINE Start time: 10am E.S.T.

Jan 2 - 3	Jul 8 - 9
Jan 22 - 23	Jul 15 - 16
Feb 12 - 13	Aug 5 - 6
Mar 4 - 5	Aug 26 - 27
Apr 1 - 2	Sep 16 - 17
Apr 15 - 16	Oct 14 - 15
May 6 - 7	Nov 4 - 5
May 28 - 29	Dec 16 - 17
Jun 17 - 18	

Challenge Test

IN-PERSON Manchester, NH

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Jan 8	May 14	Sep 17
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Feb 5	Jun 11	Oct 15
Feb 19	Jun 25	Oct 29
Mar 5	Jul 9	Nov 12
Mar 19	Jul 23	Nov 24
Apr 2	Aug 6	Dec 10
Apr 16	Aug 20	Dec 22
Apr 30	Sep 3	

ALSO AVAILABLE

IPC-A-610 Interactive PCB Inspection Lab

IPC-A-610 "The Acceptability of Electronic Assemblies"

Utilizes, lectures, visual acuity exercises, and physical assemblies to provide an experience in visually inspecting printed circuit assemblies.

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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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

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

IPC-A-610 "The Acceptability of Electronic Assemblies"

Utilizes, lectures, visual acuity exercises, and physical assemblies to provide an experience in visually inspecting printed circuit assemblies.

IPC-A-610 Interactive Inspection Lab

Jan 10	Buffalo, NY	Jul 18	Seattle, WA
Jan 10	San Jose, CA	Jul 18	San Diego, CA
Jan 10	Watertown, CT	Jul 25	Schaumburg, IL
Jan 17	San Diego, CA	Jul 31	Manchester, NH
Jan 17	Toronto, ON	Aug 1	Toronto, ON
Jan 17	Schaumburg, IL	Aug 8	San Jose, CA
Jan 23	Manchester, NH	Aug 8	Minneapolis, MN
Feb 7	Kansas City, MO	Aug 21	Manchester, NH
Feb 7	Portland, OR	Aug 29	Anaheim, CA
Feb 13	Manchester, NH	Sep 11	Manchester, NH
Feb 14	San Jose, CA	Sep 12	Portland, OR
Feb 21	Anaheim, CA	Sep 12	San Jose, CA
Mar 7	Seattle, WA	Sep 19	Rochester, NY
Mar 21	Watertown, CT	Sep 19	Toronto, ON
Mar 21	Schaumburg, IL	Sep 19	San Diego, CA
Mar 27	Manchester, NH	Sep 26	Schaumburg, IL
Mar 28	Toronto, ON	Sep 26	Seattle, WA
Mar 28	Long Island, NY	Sep 26	Watertown, CT
Apr 4	Ottawa, ON	Oct 3	Manchester, NH
Apr 4	Portland, OR	Oct 10	Palm Bay, FL
Apr 11	Minneapolis, MN	Oct 16	Manchester, NH
Apr 17	Manchester, NH	Oct 17	Buffalo, NY
Apr 18	Anaheim, CA	Oct 17	Minneapolis, MN
Apr 25	San Jose, CA	Oct 24	Manchester, NH
May 8	Manchester, NH	Oct 24	Long Island, NY
May 9	Seattle, WA	Oct 31	San Jose, CA
May 9	Rochester, NY	Oct 31	Kansas City, MO
May 9	Schaumburg, IL	Nov 6	Manchester, NH
May 16	San Diego, CA	Nov 14	Anaheim, CA
May 23	San Jose, CA	Nov 14	Portland, OR
May 30	Manchester, NH	Nov 14	Akron, OH
May 30	Toronto, ON	Nov 14	Watertown, CT
Jun 6	Portland, OR	Nov 21	San Diego, CA
Jun 13	Minneapolis, MN	Nov 21	Ottawa, ON
Jun 13	Pittsburgh, PA	Nov 21	Seattle, WA
Jun 19	Manchester, NH	Nov 21	Schaumburg, IL
Jun 20	Syracuse, NY	Dec 5	Pittsburgh, PA
Jun 20	Kansas City, MO	Dec 5	San Jose, CA
Jun 20	San Jose, CA	Dec 5	Minneapolis, MN
Jun 27	Anaheim, CA	Dec 12	Manchester, NH
Jul 10	Manchester, NH	Dec 18	Manchester, NH
Jul 18	Watertown, CT		

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- 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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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.

J-STD-001 Certified IPC Trainer (CIT)

J-STD-001 "Requirements for Soldered Electrical & Electronic Assemblies"

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

J-STD-001 CIT Certification

Jan 6 - 10	Portland, OR	Jul 14 - 18	Kansas City, MO
Jan 13 - 17	Buffalo, NY	Jul 28 - Aug 1	Buffalo, NY
Jan 13 - 17	Minneapolis, MN	Jul 28 - Aug 1	Anaheim, CA
Jan 20 - 24	Manchester, NH	Aug 4 - 8	Ottawa, ON
Jan 20 - 24	Rochester, NY	Aug 11 - 15	Palm Bay, FL
Jan 27 - 31	San Jose, CA	Aug 11 - 15	San Diego, CA
Jan 27 - 31	Toronto, ON	Aug 18 - 22	San Jose, CA
Jan 27 - 31	Anaheim, CA	Aug 18 - 22	Seattle, WA
Feb 3 - 7	Schaumburg, IL	Aug 18 - 22	Watertown, CT
Feb 3 - 7	Watertown, CT	Aug 25 - 29	Toronto, ON
Feb 10 - 14	Palm Bay, FL	Aug 25 - 29	Rochester, NY
Feb 24 - 28	San Diego, CA	Aug 25 - 29	Pittsburgh, PA
Feb 24 - 28	Seattle, WA	Sep 8 - 12	Manchester, NH
Mar 3 - 7	Pittsburgh, PA	Sep 8 - 12	Schaumburg, IL
Mar 3 - 7	San Jose, CA	Sep 22 - 26	Minneapolis, MN
Mar 10 - 14	Kansas City, MO	Sep 29 - Oct 3	San Jose, CA
Mar 10 - 14	Ottawa, ON	Sep 29 - Oct 3	Portland, OR
Mar 17 - 21	Manchester, NH	Oct 6 - 10	Toronto, ON
Mar 17 - 21	Minneapolis, MN	Oct 6 - 10	Binghamton, NY
Mar 17 - 21	Seattle, WA	Oct 13 - 17	Seattle, WA
Mar 31 - Apr 4	Anaheim, CA	Oct 20 - 24	Anaheim, CA
Mar 31 - Apr 4	Buffalo, NY	Oct 27 - 31	Watertown, CT
Apr 7 - 11	Seattle, WA	Nov 3 - 7	Manchester, NH
Apr 7 - 11	Toronto, ON	Nov 3 - 7	San Jose, CA
Apr 7 - 11	Watertown, CT	Nov 10 - 14	Palm Bay, FL
Apr 21 - 25	Rochester, NY	Nov 10 - 14	San Diego, CA
Apr 28 - May 2	Binghamton, NY	Nov 10 - 14	Minneapolis, MN
Apr 28 - May 2	Portland, OR	Nov 17 - 21	Buffalo, NY
May 5 - 9	Anaheim, CA	Nov 24 - 28	Ottawa, ON
May 5 - 9	San Jose, CA	Dec 1 - 5	Seattle, WA
May 5 - 9	Long Island, NY	Dec 8 - 12	Watertown, CT
May 5 - 9	Minneapolis, MN	Dec 15 - 19	Toronto, ON
May 12 - 16	Schaumburg, IL	Dec 15 - 19	Schaumburg, IL
May 19 - 23	Manchester, NH	Dec 15 - 19	Long Island, NY
May 19 - 23	Palm Bay, FL	Dec 15 - 19	Kansas City, MO
Jun 2 - 6	San Diego, CA		
Jun 16 - 20	Watertown, CT		
Jun 16 - 20	San Jose, CA		
Jun 23 - 27	Seattle, WA		
Jun 23 - 27	Toronto, ON		
Jul 7 - 11	Minneapolis, MN		
Jul 14 - 18	Manchester, NH		

ON-LINE Start time: 10am E.S.T.

FOR LECTURE AND EXAM ONLY*

Feb 19 - 22	Oct 21 - 24
Jun 3 - 6	

Challenge Test IN-PERSON Manchester, NH

Jan 3	Feb 14	Apr 11	Jun 6	Aug 7	Oct 17	Dec 22
Jan 24	Feb 26	May 9	Jun 19	Sep 12	Nov 7	

***Important Note: J-STD-001 ON-LINE CLASS DATES ARE FOR THE LECTURE AND EXAM ONLY.** Attendees will need to travel to a confirmed, in-person J-STD-001 class to complete their workmanship requirements with an EPTAC Instructor.

J-STD-001 CIT Recertification

Jan 8 - 9	Toronto, ON	Jul 23 - 24	Rochester, NY
Jan 8 - 9	Palm Bay, FL	Jul 30 - 31	San Jose, CA
Jan 8 - 9	San Diego, CA	Jul 30 - 31	Portland, OR
Jan 8 - 9	Manchester, NH	Jul 30 - 31	Watertown, CT
Jan 15 - 16	Watertown, CT	Aug 13 - 14	Minneapolis, MN
Jan 16 - 17	Kansas City, MO	Aug 14 - 15	Buffalo, NY
Jan 22 - 23	Anaheim, CA	Aug 20 - 21	Schaumburg, IL
Jan 22 - 23	Schaumburg, IL	Aug 27 - 28	Palm Bay, FL
Jan 29 - 30	Long Island, NY	Aug 27 - 28	Kansas City, MO
Feb 5 - 6	San Jose, CA	Sep 4 - 5	Manchester, NH
Feb 5 - 6	Seattle, WA	Sep 4 - 5	Binghamton, NY
Feb 26 - 27	Minneapolis, MN	Sep 10 - 11	Toronto, ON
Mar 5 - 6	Rochester, NY	Oct 8 - 9	San Diego, CA
Mar 12 - 13	Palm Bay, FL	Oct 8 - 9	Manchester, NH
Mar 12 - 13	Manchester, NH	Oct 15 - 16	San Jose, CA
Mar 27 - 28	Ottawa, ON	Oct 22 - 23	Seattle, WA
Apr 16 - 17	Schaumburg, IL	Oct 22 - 23	Rochester, NY
Apr 16 - 17	Seattle, WA	Oct 22 - 23	Minneapolis, MN
Apr 16 - 17	San Jose, CA	Oct 29 - 30	Anaheim, CA
Apr 23 - 24	Watertown, CT	Nov 5 - 6	Watertown, CT
Apr 30 - May 1	Toronto, ON	Nov 5 - 6	Schaumburg, IL
Apr 30 - May 1	Buffalo, NY	Nov 12 - 13	Manchester, NH
May 1 - 2	Anaheim, CA	Nov 19 - 20	Toronto, ON
May 7 - 8	Manchester, NH		
May 7 - 8	Binghamton, NY		
May 14 - 15	Minneapolis, MN		
Jun 11 - 12	San Diego, CA		
Jun 18 - 19	Toronto, ON		
Jun 25 - 26	Long Island, NY		
Jul 9 - 10	Manchester, NH		
Jul 16 - 17	Toronto, ON		

ON-LINE Start time: 10am E.S.T.

FOR LECTURE AND EXAM ONLY*

Feb 12 - 13	Aug 6 - 7
Apr 16 - 17	Oct 15 - 16
Jun 18 - 19	Dec 17 - 18

Challenge Test IN-PERSON Manchester, NH

Jan 3	Feb 14	Apr 11	Jun 6	Aug 7	Oct 17	Dec 22
Jan 24	Feb 26	May 9	Jun 19	Sep 12	Nov 7	

J-STD-001 CIT Space Addendum Certification & Recertification

Jan 10	Toronto, ON	Aug 15	Minneapolis, MN
Jan 10	Palm Bay, FL	Aug 22	Schaumburg, IL
Jan 10	Manchester, NH	Sep 12	Toronto, ON
Jan 17	Watertown, CT	Sep 29	Manchester, NH
Feb 7	San Jose, CA	Oct 17	San Jose, CA
Feb 28	Minneapolis, MN	Oct 24	Minneapolis, MN
Mar 7	Manchester, NH	Oct 31	Anaheim, CA
Mar 7	Rochester, NY	Nov 7	Watertown, CT
Apr 18	Manchester, NH	Nov 7	Schaumburg, IL
Apr 18	Seattle, WA	Nov 14	Manchester, NH
Apr 18	San Jose, CA	Nov 21	Toronto, ON
Apr 18	Schaumburg, IL	Dec 22	Manchester, NH
Apr 25	Watertown, CT		
May 2	Toronto, ON		
May 9	Manchester, NH		
May 16	Minneapolis, MN		
Jul 11	Manchester, NH		
Jul 18	Toronto, ON		
Aug 1	Watertown, CT		

ON-LINE Start time: 10am E.S.T.

Jan 17	May 2	Sep 5
Feb 21	Jun 20	Oct 24
Mar 7	Jul 18	Nov 7
Apr 16	Aug 8	Dec 19



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

J-STD-001 Certified IPC Specialist (CIS)

J-STD-001 "Requirements for Soldered Electrical & Electronic Assemblies"

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

J-STD-001 CIS Certification & Recertification

Jan 6 - 10 Portland, OR	Apr 28 - May 2 Binghamton, NY	Aug 25 - 29 Pittsburgh, PA
Jan 13 - 17 Buffalo, NY	Apr 28 - May 2 Portland, OR	Aug 25 - 29 Manchester, NH
Jan 13 - 17 Minneapolis, MN	May 5 - 9 Anaheim, CA	Sep 8 - 12 Schaumburg, IL
Jan 13 - 17 Manchester, NH	May 5 - 9 San Jose, CA	Sep 22 - 26 Minneapolis, MN
Jan 20 - 24 Rochester, NY	May 5 - 9 Long Island, NY	Sep 22 - 26 Manchester, NH
Jan 27 - 31 San Jose, CA	May 5 - 9 Minneapolis, MN	Sep 29 - Oct 3 San Jose, CA
Jan 27 - 31 Toronto, ON	Jun 2 - 6 Schaumburg, IL	Sep 29 - Oct 3 Portland, OR
Jan 27 - 31 Anaheim, CA	May 12 - 16 Manchester, NH	Oct 6 - 10 Toronto, ON
Feb 3 - 7 Schaumburg, IL	May 19 - 23 Palm Bay, FL	Oct 6 - 10 Binghamton, NY
Feb 3 - 7 Watertown, CT	Jun 2 - 6 San Diego, CA	Oct 6 - 10 Philadelphia, PA
Feb 10 - 14 Palm Bay, FL	Jun 16 - 20 Watertown, CT	Oct 13 - 17 Seattle, WA
Feb 10 - 14 Philadelphia, PA	Jun 16 - 20 San Jose, CA	Oct 13 - 17 Manchester, NH
Feb 17 - 21 Manchester, NH	Jun 23 - 27 Seattle, WA	Oct 20 - 24 Anaheim, CA
Feb 24 - 28 Syracuse, NY	Jun 23 - 27 Toronto, ON	Oct 27 - 31 Watertown, CT
Feb 24 - 28 San Diego, CA	Jun 23 - 27 Manchester, NH	Nov 3 - 7 Syracuse, NY
Feb 24 - 28 Seattle, WA	Jun 23 - 27 Philadelphia, PA	Nov 3 - 7 San Jose, CA
Mar 3 - 7 Pittsburgh, PA	Jul 7 - 11 Minneapolis, MN	Nov 10 - 14 Palm Bay, FL
Mar 3 - 7 San Jose, CA	Jul 14 - 18 Kansas City, MO	Nov 10 - 14 San Diego, CA
Mar 10 - 14 Kansas City, MO	Jul 21 - 25 Manchester, NH	Nov 10 - 14 Minneapolis, MN
Mar 10 - 14 Ottawa, ON	Jul 28 - Aug 1 Buffalo, NY	Nov 17 - 21 Buffalo, NY
Mar 17 - 21 Minneapolis, MN	Jul 28 - Aug 1 Anaheim, CA	Nov 17 - 21 Manchester, NH
Mar 17 - 21 Seattle, WA	Aug 4 - 8 Ottawa, ON	Nov 24 - 28 Ottawa, ON
Mar 24 - 28 Manchester, NH	Aug 11 - 15 Palm Bay, FL	Dec 1 - 5 Seattle, WA
Mar 31 - Apr 4 Anaheim, CA	Aug 11 - 15 San Diego, CA	Dec 8 - 12 Watertown, CT
Mar 31 - Apr 4 Akron, OH	Aug 18 - 22 San Jose, CA	Dec 8 - 12 Manchester, NH
Mar 31 - Apr 4 Buffalo, NY	Aug 18 - 22 Akron, OH	Dec 15 - 19 Toronto, ON
Apr 7 - 11 Seattle, WA	Aug 18 - 22 Halifax NS	Dec 15 - 19 Schaumburg, IL
Apr 7 - 11 Toronto, ON	Aug 18 - 22 Seattle, WA	Dec 15 - 19 Long Island, NY
Apr 7 - 11 Watertown, CT	Aug 18 - 22 Watertown, CT	Dec 15 - 19 Kansas City, MO
Apr 14 - 18 Manchester, NH	Aug 25 - 29 Toronto, ON	
Apr 21 - 25 Rochester, NY	Aug 25 - 29 Rochester, NY	

J-STD-001 CIS Space Addendum Certification & Recertification

Jan 10 Toronto, ON	Aug 15 Minneapolis, MN
Jan 10 Palm Bay, FL	Aug 22 Schaumburg, IL
Jan 10 Manchester, NH	Sep 12 Toronto, ON
Jan 17 Watertown, CT	Sep 29 Manchester, NH
Feb 7 San Jose, CA	Oct 17 San Jose, CA
Feb 28 Minneapolis, MN	Oct 24 Minneapolis, MN
Mar 7 Manchester, NH	Oct 31 Anaheim, CA
Mar 7 Rochester, NY	Nov 7 Watertown, CT
Apr 18 Manchester, NH	Nov 7 Schaumburg, IL
Apr 18 Seattle, WA	Nov 14 Manchester, NH
Apr 18 San Jose, CA	Nov 21 Toronto, ON
Apr 18 Schaumburg, IL	Dec 22 Manchester, NH
Apr 25 Watertown, CT	
May 2 Toronto, ON	
May 9 Manchester, NH	
May 16 Minneapolis, MN	
Jul 11 Manchester, NH	
Jul 18 Toronto, ON	
Aug 1 Watertown, CT	

ON-LINE Start time: 10am E.S.T.

Jan 17	May 2	Sep 5
Feb 21	Jun 20	Oct 24
Mar 7	Jul 18	Nov 7
Apr 16	Aug 8	Dec 19

Challenge Test IN-PERSON Manchester, NH

Jan 3	Feb 14	Apr 11	Jun 6	Aug 7	Oct 17	Dec 22
Jan 24	Feb 26	May 9	Jun 19	Sep 12	Nov 7	

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.



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

J-STD-001 Certified Standards Expert (CSE)

J-STD-001 "Requirements for Soldered Electrical & Electronic Assemblies"

Become a subject matter expert in J-STD-001.

J-STD-001 CSE Certification

Jan 6 - 10	Portland, OR	Jul 14 - 18	Manchester, NH
Jan 13 - 17	Buffalo, NY	Jul 14 - 18	Kansas City, MO
Jan 13 - 17	Minneapolis, MN	Jul 28 - Aug 1	Buffalo, NY
Jan 20 - 24	Manchester, NH	Jul 28 - Aug 1	Anaheim, CA
Jan 20 - 24	Rochester, NY	Aug 4 - 8	Ottawa, ON
Jan 27 - 31	San Jose, CA	Aug 11 - 15	Palm Bay, FL
Jan 27 - 31	Toronto, ON	Aug 11 - 15	San Diego, CA
Jan 27 - 31	Anaheim, CA	Aug 18 - 22	San Jose, CA
Feb 3 - 7	Schaumburg, IL	Aug 18 - 22	Seattle, WA
Feb 3 - 7	Watertown, CT	Aug 18 - 22	Watertown, CT
Feb 10 - 14	Palm Bay, FL	Aug 25 - 29	Toronto, ON
Feb 24 - 28	San Diego, CA	Aug 25 - 29	Rochester, NY
Feb 24 - 28	Seattle, WA	Aug 25 - 29	Pittsburgh, PA
Mar 3 - 7	Pittsburgh, PA	Sep 8 - 12	Manchester, NH
Mar 3 - 7	San Jose, CA	Sep 8 - 12	Schaumburg, IL
Mar 10 - 14	Kansas City, MO	Sep 22 - 26	Minneapolis, MN
Mar 10 - 14	Ottawa, ON	Sep 29 - Oct 3	San Jose, CA
Mar 17 - 21	Manchester, NH	Sep 29 - Oct 3	Portland, OR
Mar 17 - 21	Minneapolis, MN	Oct 6 - 10	Toronto, ON
Mar 17 - 21	Seattle, WA	Oct 6 - 10	Binghamton, NY
Mar 31 - Apr 4	Anaheim, CA	Oct 13 - 17	Seattle, WA
Mar 31 - Apr 4	Buffalo, NY	Oct 20 - 24	Anaheim, CA
Apr 7 - 11	Seattle, WA	Oct 27 - 31	Watertown, CT
Apr 7 - 11	Toronto, ON	Nov 3 - 7	Manchester, NH
Apr 7 - 11	Watertown, CT	Nov 3 - 7	San Jose, CA
Apr 21 - 25	Rochester, NY	Nov 10 - 14	Palm Bay, FL
Apr 28 - May 2	Binghamton, NY	Nov 10 - 14	San Diego, CA
Apr 28 - May 2	Portland, OR	Nov 10 - 14	Minneapolis, MN
May 5 - 9	Anaheim, CA	Nov 17 - 21	Buffalo, NY
May 5 - 9	San Jose, CA	Nov 24 - 28	Ottawa, ON
May 5 - 9	Long Island, NY	Dec 1 - 5	Seattle, WA
May 5 - 9	Minneapolis, MN	Dec 8 - 12	Watertown, CT
May 12 - 16	Schaumburg, IL	Dec 15 - 19	Toronto, ON
May 19 - 23	Manchester, NH	Dec 15 - 19	Schaumburg, IL
May 19 - 23	Palm Bay, FL	Dec 15 - 19	Long Island, NY
Jun 2 - 6	San Diego, CA	Dec 15 - 19	Kansas City, MO
Jun 16 - 20	Watertown, CT		
Jun 16 - 20	San Jose, CA		
Jun 23 - 27	Seattle, WA		
Jun 23 - 27	Toronto, ON		
Jul 7 - 11	Minneapolis, MN		

ON-LINE Start time: 10am E.S.T.
Feb 19 - 22 Oct 21 - 24
Jun 3 - 6

Challenge Test

IN-PERSON

Jan 3	Jun 19
Jan 24	Aug 7
Feb 14	Sep 12
Feb 26	Oct 17
Apr 11	Nov 7
May 9	Dec 22
Jun 6	

ON-LINE

Jan 8	May 14	Sep 17
Jan 22	May 28	Oct 1
Feb 5	Jun 11	Oct 15
Feb 19	Jun 25	Oct 29
Mar 5	Jul 9	Nov 12
Mar 19	Jul 23	Nov 24
Apr 2	Aug 6	Dec 10
Apr 16	Aug 20	Dec 22
Apr 30	Sep 3	

J-STD-001 CSE Recertification

Jan 8 - 9	Toronto, ON	Jul 16 - 17	Toronto, ON
Jan 8 - 9	Palm Bay, FL	Jul 23 - 24	Rochester, NY
Jan 8 - 9	San Diego, CA	Jul 30 - 31	San Jose, CA
Jan 8 - 9	Manchester, NH	Jul 30 - 31	Portland, OR
Jan 15 - 16	Watertown, CT	Jul 30 - 31	Watertown, CT
Jan 16 - 17	Kansas City, MO	Aug 13 - 14	Minneapolis, MN
Jan 22 - 23	Anaheim, CA	Aug 14 - 15	Buffalo, NY
Jan 22 - 23	Schaumburg, IL	Aug 20 - 21	Schaumburg, IL
Jan 29 - 30	Long Island, NY	Aug 27 - 28	Palm Bay, FL
Feb 5 - 6	San Jose, CA	Aug 27 - 28	Kansas City, MO
Feb 19 - 20	Seattle, WA	Sep 4 - 5	Manchester, NH
Feb 26 - 27	Minneapolis, MN	Sep 4 - 5	Binghamton, NY
Mar 5 - 6	Rochester, NY	Sep 10 - 11	Toronto, ON
Mar 12 - 13	Palm Bay, FL	Oct 8 - 9	San Diego, CA
Mar 12 - 13	Manchester, NH	Oct 8 - 9	Manchester, NH
Mar 27 - 28	Ottawa, ON	Oct 15 - 16	San Jose, CA
Apr 16 - 17	Schaumburg, IL	Oct 22 - 23	Seattle, WA
Apr 16 - 17	Seattle, WA	Oct 22 - 23	Rochester, NY
Apr 16 - 17	San Jose, CA	Oct 22 - 23	Minneapolis, MN
Apr 23 - 24	Watertown, CT	Oct 29 - 30	Anaheim, CA
Apr 30 - May 1	Toronto, ON	Nov 5 - 6	Watertown, CT
Apr 30 - May 1	Buffalo, NY	Nov 5 - 6	Schaumburg, IL
May 1 - 2	Anaheim, CA	Nov 12 - 13	Manchester, NH
May 7 - 8	Manchester, NH	Nov 19 - 20	Toronto, ON
May 7 - 8	Binghamton, NY		
May 14 - 15	Minneapolis, MN		
Jun 11 - 12	San Diego, CA		
Jun 18 - 19	Seattle, WA		
Jun 25 - 26	Long Island, NY		
Jul 9 - 10	Manchester, NH		

ON-LINE Start time: 10am E.S.T.
Feb 12 - 13 Apr 16 - 17
Jun 18 - 19 Aug 6 - 7
Oct 15 - 16 Dec 17 - 18

Challenge Test

IN-PERSON

Jan 3	Jun 19
Jan 24	Aug 7
Feb 14	Sep 12
Feb 26	Oct 17
Apr 11	Nov 7
May 9	Dec 22
Jun 6	

ON-LINE

Jan 8	May 14	Sep 17
Jan 22	May 28	Oct 1
Feb 5	Jun 11	Oct 15
Feb 19	Jun 25	Oct 29
Mar 5	Jul 9	Nov 12
Mar 19	Jul 23	Nov 24
Apr 2	Aug 6	Dec 10
Apr 16	Aug 20	Dec 22
Apr 30	Sep 3	

J-STD-001 CSE Space Addendum Certification & Recertification

Jan 12	Toronto, ON	Aug 2	Watertown, CT
Jan 19	Watertown, CT	Sep 13	Toronto, ON
Jan 29	Manchester, NH	Sep 30	Manchester, NH
Mar 8	Manchester, NH	Nov 1	Anaheim, CA
Apr 19	Seattle, WA	Nov 15	Manchester, NH
Apr 26	Watertown, CT	Nov 22	Toronto, ON
May 1	Manchester, NH	Dec 23	Manchester, NH
May 3	Rochester, NY		
May 3	Toronto, ON		
May 10	Manchester, NH		
Jul 12	Manchester, NH		
Jul 19	Toronto, ON		
Aug 2	Portland, OR		

ON-LINE Start time: 10am E.S.T.
Jan 17 May 2 Sep 5
Feb 21 Jun 20 Oct 24
Mar 7 Jul 18 Nov 7
Apr 16 Aug 8 Dec 19

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.



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

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

J-STD-001 Space Addendum (CIT, CIS, CSE)

J-STD-001 "Requirements for Soldered Electrical & Electronic Assemblies"

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

J-STD-001 CIT, CIS & CSE Space Addendum Certification and Recertification

Jan 10 Toronto, ON	Aug 22 Schaumburg, IL
Jan 10 Palm Bay, FL	Sep 12 Toronto, ON
Jan 10 Manchester, NH	Sep 29 Manchester, NH
Jan 17 Watertown, CT	Oct 17 San Jose, CA
Feb 7 San Jose, CA	Oct 24 Minneapolis, MN
Feb 28 Minneapolis, MN	Oct 31 Anaheim, CA
Mar 7 Manchester, NH	Nov 7 Watertown, CT
Mar 7 Rochester, NY	Nov 7 Schaumburg, IL
Apr 18 Manchester, NH	Nov 14 Manchester, NH
Apr 18 Seattle, WA	Nov 21 Toronto, ON
Apr 18 San Jose, CA	Dec 22 Manchester, NH
Apr 18 Schaumburg, IL	
Apr 25 Watertown, CT	
May 2 Toronto, ON	
May 9 Manchester, NH	
May 16 Minneapolis, MN	
Jul 11 Manchester, NH	
Jul 18 Toronto, ON	
Aug 1 Watertown, CT	
Aug 15 Minneapolis, MN	

ON-LINE Start time: 10am E.S.T.

Jan 17	Jul 18
Feb 21	Aug 8
Mar 7	Sep 5
Apr 16	Oct 24
May 2	Nov 7
Jun 20	Dec 19

Challenge Test IN-PERSON Manchester, NH

Jan 3	Apr 11	Aug 7	Dec 22
Jan 24	May 9	Sep 12	
Feb 14	Jun 6	Oct 17	
Feb 26	Jun 19	Nov 7	

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.



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

IPC-A-620 Certified IPC Trainer (CIT)

IPC/WHMA-A-620 "Requirements and Acceptance for Cable and Wire Harness Assemblies"

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

IPC-A-620 CIT Certification

Jan 6 - 9 Kansas City, MO	Aug 11 - 14 Schaumburg, IL
Jan 6 - 9 Minneapolis, MN	Aug 11 - 14 Seattle, WA
Jan 13 - 16 Manchester, NH	Aug 11 - 14 Watertown, CT
Jan 13 - 16 San Jose, CA	Aug 18 - 21 Toronto, ON
Jan 20 - 23 Long Island, NY	Aug 18 - 21 Anaheim, CA
Jan 27 - 30 Portland, OR	Sep 2 - 5 Manchester, NH
Feb 3 - 6 Anaheim, CA	Sep 8 - 11 Minneapolis, MN
Feb 10 - 13 Watertown, CT	Sep 9 - 12 Pittsburgh, PA
Feb 10 - 13 Seattle, WA	Sep 15 - 18 San Jose, CA
Feb 10 - 13 San Diego, CA	Sep 15 - 18 Akron, OH
Feb 17 - 20 San Jose, CA	Sep 22 - 25 Buffalo, NY
Feb 18 - 21 Toronto, ON	Sep 22 - 25 Palm Bay, FL
Feb 24 - 27 Schaumburg, IL	Sep 29 - Oct 2 Long Island, NY
Feb 24 - 27 Pittsburgh, PA	Oct 6 - 9 Seattle, WA
Mar 3 - 6 Manchester, NH	Oct 6 - 9 Rochester, NY
Mar 3 - 6 Palm Bay, FL	Oct 6 - 9 Schaumburg, IL
Mar 10 - 13 San Jose, CA	Oct 13 - 16 San Diego, CA
Mar 10 - 13 Minneapolis, MN	Oct 13 - 16 Kansas City, MO
Mar 17 - 20 Buffalo, NY	Oct 20 - 23 Watertown, CT
Mar 17 - 20 Portland, OR	Oct 27 - 30 Toronto, ON
Mar 24 - 27 Rochester, NY	Oct 27 - 30 Portland, OR
Apr 8 - 11 San Diego, CA	Nov 3 - 6 Anaheim, CA
Apr 14 - 17 Watertown, CT	Nov 3 - 6 Minneapolis, MN
Apr 14 - 17 Toronto, ON	Nov 10 - 13 San Jose, CA
Apr 21 - 24 Anaheim, CA	Dec 1 - 4 Toronto, ON
Apr 21 - 24 Seattle, WA	Dec 8 - 11 Schaumburg, IL
Apr 21 - 24 Schaumburg, IL	Dec 8 - 11 Seattle, WA
May 5 - 8 Kansas City, MO	Dec 8 - 11 Palm Bay, FL
May 12 - 15 San Jose, CA	Dec 15 - 18 Manchester, NH
May 12 - 15 Long Island, NY	Dec 15 - 18 Watertown, CT
May 19 - 22 Manchester, NH	
May 19 - 22 Minneapolis, MN	
May 19 - 22 Portland, OR	
May 19 - 22 Akron, OH	
Jun 2 - 5 Palm Bay, FL	
Jun 2 - 5 Schaumburg, IL	
Jun 9 - 12 Buffalo, NY	
Jun 9 - 12 Seattle, WA	
Jun 16 - 19 Toronto, ON	
Jun 16 - 19 Anaheim, CA	
Jun 23 - 26 San Jose, CA	
Jun 23 - 26 Rochester, NY	
Jun 23 - 26 Manchester, NH	
Jun 23 - 26 Watertown, CT	
Jul 14 - 17 Minneapolis, MN	
Jul 21 - 24 Manchester, NH	
Jul 21 - 24 San Jose, CA	
Aug 4 - 7 San Diego, CA	
Aug 4 - 7 Portland, OR	

ON-LINE Start time: 10am E.S.T.

Jan 13 - 16
Feb 3 - 6
Feb 24 - 27
Mar 17 - 20
Apr 7 - 10
Apr 28 - May 1
May 19 - 22
Jun 9 - 12
Jul 7 - 10
Jul 28 - 31
Aug 18 - 21
Sep 8 - 11
Sep 29 - Oct 2
Oct 20 - 23
Nov 10 - 13
Dec 1 - 4

Challenge Test

IN-PERSON Manchester, NH

Jan 3	Jun 19
Jan 24	Aug 7
Feb 14	Sep 12
Feb 26	Oct 17
Apr 11	Nov 7
May 9	Dec 22
Jun 6	

ON-LINE Start time: 10am E.S.T.

Jan 8	May 14	Sep 17
Jan 22	May 28	Oct 1
Feb 5	Jun 11	Oct 15
Feb 19	Jun 25	Oct 29
Mar 5	Jul 9	Nov 12
Mar 19	Jul 23	Nov 24
Apr 2	Aug 6	Dec 10
Apr 16	Aug 20	Dec 22
Apr 30	Sep 3	

IPC-A-620 CIT Recertification

Jan 2 - 3 Toronto, ON	Oct 2 - 3 Rochester, NY
Feb 5 - 6 Palm Bay, FL	Oct 2 - 3 Watertown, CT
Feb 18 - 19 Schaumburg, IL	Oct 15 - 16 Schaumburg, IL
Feb 24 - 25 Anaheim, CA	Nov 24 - 25 Manchester, NH
Feb 24 - 25 Manchester, NH	Dec 22 - 23 San Jose, CA
Mar 24 - 25 Minneapolis, MN	Dec 22 - 23 Toronto, ON
Mar 24 - 25 Watertown, CT	
Apr 2 - 3 San Jose, CA	
May 19 - 20 Watertown, CT	
May 21 - 22 Toronto, ON	
Jun 23 - 24 Minneapolis, MN	
Jun 30 - Jul 1 Manchester, NH	
Jul 9 - 10 San Jose, CA	
Jul 10 - 11 Palm Bay, FL	
Jul 28 - 29 Schaumburg, IL	
Aug 7 - 8 Watertown, CT	
Sep 3 - 4 Minneapolis, MN	
Sep 4 - 5 Anaheim, CA	
Sep 29 - 30 Toronto, ON	
Oct 2 - 3 Palm Bay, FL	

ON-LINE Start time: 10am E.S.T.

Jan 22 - 23
Mar 5 - 6
May 7 - 8
Jul 23 - 24
Aug 27 - 28
Nov 5 - 6

Challenge Test

IN-PERSON Manchester, NH

Jan 3	Jun 19
Jan 24	Aug 7
Feb 14	Sep 12
Feb 26	Oct 17
Apr 11	Nov 7
May 9	Dec 22
Jun 6	

ON-LINE Start time: 10am E.S.T.

Jan 8	May 14	Sep 17
Jan 22	May 28	Oct 1
Feb 5	Jun 11	Oct 15
Feb 19	Jun 25	Oct 29
Mar 5	Jul 9	Nov 12
Mar 19	Jul 23	Nov 24
Apr 2	Aug 6	Dec 10
Apr 16	Aug 20	Dec 22
Apr 30	Sep 3	

ALSO AVAILABLE

IPC-A-620 Hands-on Lab

Through hands-on labs, students perform necessary procedures for building an entire wire harness assembly.

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.



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

IPC-A-620 Certified IPC Specialist (CIS)

IPC/WHMA-A-620 "Requirements and Acceptance for Cable and Wire Harness Assemblies"

Learn assembly requirements and accept/reject criteria for all three classes of cable and wire harness assembly.

IPC-A-620 CIS Certification & Recertification

Jan 6 - 9 Kansas City, MO	May 12 - 15 Manchester, NH	Sep 15 - 18 Manchester, NH
Jan 6 - 9 Minneapolis, MN	May 19 - 22 Minneapolis, MN	Sep 22 - 25 Buffalo, NY
Jan 13 - 16 San Jose, CA	May 19 - 22 Portland, OR	Sep 22 - 25 Palm Bay, FL
Jan 20 - 23 Long Island, NY	May 19 - 22 Binghamton, NY	Sep 29 - Oct 2 Binghamton, NY
Jan 27 - 30 Ottawa, ON	May 19 - 22 Akron, OH	Sep 29 - Oct 2 Long Island, NY
Jan 27 - 30 Portland, OR	Jun 2 - 5 Palm Bay, FL	Oct 6 - 9 Seattle, WA
Jan 27 - 30 Manchester, NH	Jun 2 - 5 Schaumburg, IL	Oct 6 - 9 Rochester, NY
Feb 3 - 6 Anaheim, CA	Jun 2 - 5 Manchester, NH	Oct 6 - 9 Schaumburg, IL
Feb 3 - 6 Atlanta, GA	Jun 9 - 12 Buffalo, NY	Oct 6 - 9 Manchester, NH
Feb 10 - 13 Watertown, CT	Jun 9 - 12 Seattle, WA	Oct 13 - 16 San Diego, CA
Feb 10 - 13 Seattle, WA	Jun 16 - 19 Toronto, ON	Oct 13 - 16 Kansas City, MO
Feb 10 - 13 San Diego, CA	Jun 16 - 19 Anaheim, CA	Oct 20 - 23 Watertown, CT
Feb 17 - 20 San Jose, CA	Jun 23 - 26 San Jose, CA	Oct 27 - 30 Toronto, ON
Feb 17 - 20 Manchester, NH	Jun 23 - 26 Ottawa, ON	Oct 27 - 30 Portland, OR
Feb 18 - 21 Toronto, ON	Jun 23 - 26 Rochester, NY	Oct 27 - 30 Manchester, NH
Feb 24 - 27 Schaumburg, IL	Jun 23 - 26 Manchester, NH	Nov 3 - 6 Anaheim, CA
Feb 24 - 27 Pittsburgh, PA	Jun 23 - 26 Watertown, CT	Nov 3 - 6 Minneapolis, MN
Mar 3 - 6 Palm Bay, FL	Jul 7 - 10 Syracuse, NY	Nov 3 - 6 Ottawa, ON
Mar 10 - 13 San Jose, CA	Jul 14 - 17 Minneapolis, MN	Nov 10 - 13 San Jose, CA
Mar 10 - 13 Minneapolis, MN	Jul 14 - 17 Manchester, NH	Nov 10 - 13 Manchester, NH
Mar 10 - 13 Manchester, NH	Jul 21 - 24 San Jose, CA	Nov 17 - 20 Atlanta, GA
Mar 17 - 20 Buffalo, NY	Aug 4 - 7 San Diego, CA	Dec 1 - 4 Toronto, ON
Mar 17 - 20 Portland, OR	Aug 4 - 7 Portland, OR	Dec 1 - 4 Manchester, NH
Mar 24 - 27 Rochester, NY	Aug 4 - 7 Manchester, NH	Dec 8 - 11 Schaumburg, IL
Mar 31 - Apr 3 Manchester, NH	Aug 4 - 7 Atlanta, GA	Dec 8 - 11 Seattle, WA
Apr 1 - 4 Syracuse, NY	Aug 11 - 14 Schaumburg, IL	Dec 8 - 11 Palm Bay, FL
Apr 8 - 11 San Diego, CA	Aug 11 - 14 Seattle, WA	Dec 8 - 11 Philadelphia, PA
Apr 14 - 17 Watertown, CT	Aug 11 - 14 Watertown, CT	Dec 15 - 18 Watertown, CT
Apr 14 - 17 Toronto, ON	Aug 11 - 14 Philadelphia, PA	
Apr 14 - 17 Philadelphia, PA	Aug 18 - 21 Toronto, ON	
Apr 21 - 24 Anaheim, CA	Aug 18 - 21 Anaheim, CA	
Apr 21 - 24 Seattle, WA	Aug 25 - 28 Manchester, NH	
Apr 21 - 24 Schaumburg, IL	Sep 8 - 11 Minneapolis, MN	
Apr 21 - 24 Manchester, NH	Sep 8 - 11 Binghamton, NY	
Apr 28 - May 1 Atlanta, GA	Sep 9 - 12 Pittsburgh, PA	
May 5 - 8 Kansas City, MO	Sep 15 - 18 San Jose, CA	
May 12 - 15 San Jose, CA	Sep 15 - 18 Halifax NS	
May 12 - 15 Long Island, NY	Sep 15 - 18 Akron, OH	

ON-LINE Start time: 10am E.S.T.

Jan 13 - 16	Jul 7 - 10
Feb 3 - 6	Jul 28 - 31
Feb 24 - 27	Aug 18 - 21
Mar 17 - 20	Sep 8 - 11
Apr 7 - 10	Sep 29 - Oct 2
Apr 28 - May 1	Oct 20 - 23
May 19 - 22	Nov 10 - 13
Jun 9 - 12	Dec 1 - 4

Challenge Test

IN-PERSON Manchester, NH

Jan 3	Jun 19
Jan 24	Aug 7
Feb 14	Sep 12
Feb 26	Oct 17
Apr 11	Nov 7
May 9	Dec 22
Jun 6	

ON-LINE Start time: 10am E.S.T.

Jan 8	May 14	Sep 17
Jan 22	May 28	Oct 1
Feb 5	Jun 11	Oct 15
Feb 19	Jun 25	Oct 29
Mar 5	Jul 9	Nov 12
Mar 19	Jul 23	Nov 24
Apr 2	Aug 6	Dec 10
Apr 16	Aug 20	Dec 22
Apr 30	Sep 3	

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.



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

IPC-A-620 Certified Standard Expert (CSE)

IPC/WHMA-A-620 "Requirements and Acceptance for Cable and Wire Harness Assemblies"

Become a subject matter expert in IPC-A-620.

IPC-A-620 CSE Certification

Jan 6 - 9 Kansas City, MO	Jul 21 - 24 Manchester, NH
Jan 6 - 9 Minneapolis, MN	Aug 4 - 7 San Diego, CA
Jan 13 - 16 San Jose, CA	Aug 4 - 7 Portland, OR
Jan 13 - 16 Manchester, NH	Aug 11 - 14 Schaumburg, IL
Jan 20 - 23 Long Island, NY	Aug 11 - 14 Seattle, WA
Jan 27 - 30 Portland, OR	Aug 11 - 14 Watertown, CT
Feb 3 - 6 Anaheim, CA	Aug 18 - 21 Toronto, ON
Feb 10 - 13 Watertown, CT	Aug 18 - 21 Anaheim, CA
Feb 10 - 13 Seattle, WA	Sep 2 - 5 Manchester, NH
Feb 10 - 13 San Diego, CA	Sep 8 - 11 Minneapolis, MN
Feb 17 - 20 San Jose, CA	Sep 9 - 12 Pittsburgh, PA
Feb 18 - 21 Toronto, ON	Sep 15 - 18 San Jose, CA
Feb 24 - 27 Schaumburg, IL	Sep 15 - 18 Akron, OH
Feb 24 - 27 Pittsburgh, PA	Sep 22 - 25 Buffalo, NY
Mar 3 - 6 Palm Bay, FL	Sep 22 - 25 Palm Bay, FL
Mar 3 - 6 Manchester, NH	Sep 29 - Oct 2 Long Island, NY
Mar 10 - 13 San Jose, CA	Oct 6 - 9 Seattle, WA
Mar 10 - 13 Minneapolis, MN	Oct 6 - 9 Rochester, NY
Mar 17 - 20 Buffalo, NY	Oct 6 - 9 Schaumburg, IL
Mar 17 - 20 Portland, OR	Oct 13 - 16 San Diego, CA
Mar 24 - 27 Rochester, NY	Oct 13 - 16 Kansas City, MO
Apr 8 - 11 San Diego, CA	Oct 20 - 23 Watertown, CT
Apr 14 - 17 Watertown, CT	Oct 27 - 30 Toronto, ON
Apr 14 - 17 Toronto, ON	Oct 27 - 30 Portland, OR
Apr 21 - 24 Anaheim, CA	Nov 3 - 6 Anaheim, CA
Apr 21 - 24 Seattle, WA	Nov 3 - 6 Minneapolis, MN
Apr 21 - 24 Schaumburg, IL	Nov 10 - 13 San Jose, CA
May 5 - 8 Kansas City, MO	Dec 1 - 4 Toronto, ON
May 12 - 15 San Jose, CA	Dec 8 - 11 Schaumburg, IL
May 12 - 15 Long Island, NY	Dec 8 - 11 Seattle, WA
May 19 - 22 Minneapolis, MN	Dec 8 - 11 Palm Bay, FL
May 19 - 22 Portland, OR	Dec 15 - 18 Watertown, CT
May 19 - 22 Akron, OH	Dec 15 - 18 Manchester, NH
May 19 - 22 Manchester, NH	
Jun 2 - 5 Palm Bay, FL	
Jun 2 - 5 Schaumburg, IL	
Jun 9 - 12 Buffalo, NY	
Jun 9 - 12 Seattle, WA	
Jun 16 - 19 Toronto, ON	
Jun 16 - 19 Anaheim, CA	
Jun 23 - 26 San Jose, CA	
Jun 23 - 26 Rochester, NY	
Jun 23 - 26 Manchester, NH	
Jun 23 - 26 Watertown, CT	
Jul 14 - 17 Minneapolis, MN	
Jul 21 - 24 San Jose, CA	

ON-LINE Start time: 10am E.S.T.

Jan 13 - 16	Jul 7 - 10
Feb 3 - 6	Jul 28 - 31
Feb 24 - 27	Aug 18 - 21
Mar 17 - 20	Sep 8 - 11
Apr 7 - 10	Sep 29 - Oct 2
Apr 28 - 1	Oct 20 - 23
May 19 - 22	Nov 10 - 13
Jun 9 - 12	Dec 1 - 4

Challenge Test

IN-PERSON Manchester, NH

Jan 3	Jun 19
Jan 24	Aug 7
Feb 14	Sep 12
Feb 26	Oct 17
Apr 11	Nov 7
May 9	Dec 22
Jun 6	

ON-LINE Start time: 10am E.S.T.

Jan 8	May 14	Sep 17
Jan 22	May 28	Oct 1
Feb 5	Jun 11	Oct 15
Feb 19	Jun 25	Oct 29
Mar 5	Jul 9	Nov 12
Mar 19	Jul 23	Nov 24
Apr 2	Aug 6	Dec 10
Apr 16	Aug 20	Dec 22
Apr 30	Sep 3	

IPC-A-620 CSE Recertification

Jan 2 - 3 Toronto, ON	Sep 4 - 5 Anaheim, CA
Feb 5 - 6 Palm Bay, FL	Sep 29 - 30 Toronto, ON
Feb 18 - 19 Schaumburg, IL	Oct 2 - 3 Palm Bay, FL
Feb 24 - 25 Anaheim, CA	Oct 2 - 3 Rochester, NY
Feb 24 - 25 Manchester, NH	Oct 2 - 3 Watertown, CT
Mar 24 - 25 Minneapolis, MN	Oct 15 - 16 Schaumburg, IL
Mar 24 - 25 Watertown, CT	Nov 24 - 25 Manchester, NH
Apr 2 - 3 San Jose, CA	Dec 22 - 23 San Jose, CA
May 19 - 20 Watertown, CT	Dec 22 - 23 Toronto, ON
May 21 - 22 Toronto, ON	
Jun 23 - 24 Minneapolis, MN	
Jun 30 - Jul 1 Manchester, NH	
Jul 9 - 10 San Jose, CA	
Jul 10 - 11 Palm Bay, FL	
Jul 28 - 29 Schaumburg, IL	
Aug 7 - 8 Watertown, CT	
Sep 3 - 4 Minneapolis, MN	

ON-LINE Start time: 10am E.S.T.

Jan 22 - 23
Mar 5 - 6
May 7 - 8
Jul 23 - 24
Aug 27 - 28
Nov 5 - 6

Challenge Test

IN-PERSON Manchester, NH

Jan 3	Jun 19
Jan 24	Aug 7
Feb 14	Sep 12
Feb 26	Oct 17
Apr 11	Nov 7
May 9	Dec 22
Jun 6	

ON-LINE Start time: 10am E.S.T.

Jan 8	May 14	Sep 17
Jan 22	May 28	Oct 1
Feb 5	Jun 11	Oct 15
Feb 19	Jun 25	Oct 29
Mar 5	Jul 9	Nov 12
Mar 19	Jul 23	Nov 24
Apr 2	Aug 6	Dec 10
Apr 16	Aug 20	Dec 22
Apr 30	Sep 3	

ALSO AVAILABLE

IPC-A-620 Hands-on Lab

Through hands-on labs, students perform necessary procedures for building an entire wire harness assembly.

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.



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

EPTAC's Hands-on Cable & Wire Harness Lab

IPC/WHMA-A-620 "Requirements and Acceptance for Cable and Wire Harness Assemblies"

Through hands-on labs, students perform necessary procedures for building an entire wire harness assembly.

EPTAC's Hands-on Cable & Wire Harness Lab

Jan 10	Kansas City, MO	Jun 27	Ottawa, ON
Jan 17	Manchester, NH	Jun 27	Rochester, NY
Jan 17	San Jose, CA	Jun 27	Watertown, CT
Jan 31	Manchester, NH	Jun 27	San Jose, CA
Jan 31	Ottawa, ON	Jul 11	Syracuse, NY
Feb 7	Anaheim, CA	Jul 18	Manchester, NH
Feb 7	Atlanta, GA	Jul 18	Minneapolis, MN
Feb 14	Watertown, CT	Jul 25	San Jose, CA
Feb 14	Seattle, WA	Jul 25	Manchester, NH
Feb 14	San Diego, CA	Aug 8	Manchester, NH
Feb 21	Manchester, NH	Aug 8	San Diego, CA
Feb 21	San Jose, CA	Aug 8	Atlanta, GA
Feb 28	Schaumburg, IL	Aug 8	Portland, OR
Feb 28	Pittsburgh, PA	Aug 15	Schaumburg, IL
Mar 14	Syracuse, NY	Aug 15	Watertown, CT
Mar 14	Manchester, NH	Aug 22	Toronto, ON
Mar 14	San Jose, CA	Aug 22	Seattle, WA
Mar 14	Minneapolis, MN	Aug 22	Anaheim, CA
Mar 21	Buffalo, NY	Sep 12	Binghamton, NY
Mar 21	Portland, OR	Sep 12	Minneapolis, MN
Mar 28	Rochester, NY	Sep 19	Manchester, NH
Apr 11	San Diego, CA	Sep 19	Akron, OH
Apr 18	Watertown, CT	Sep 19	San Jose, CA
Apr 18	Toronto, ON	Sep 26	Buffalo, NY
Apr 25	Manchester, NH	Oct 3	Long Island, NY
Apr 25	Anaheim, CA	Oct 10	Manchester, NH
Apr 25	Schaumburg, IL	Oct 10	Seattle, WA
Apr 25	Seattle, WA	Oct 10	Schaumburg, IL
May 2	Atlanta, GA	Oct 10	Rochester, NY
May 9	Kansas City, MO	Oct 17	San Diego, CA
May 16	Long Island, NY	Oct 17	Kansas City, MO
May 16	Manchester, NH	Oct 24	Watertown, CT
May 16	San Jose, CA	Oct 31	Portland, OR
May 23	Manchester, NH	Oct 31	Toronto, ON
May 23	Binghamton, NY	Nov 7	Minneapolis, MN
May 23	Portland, OR	Nov 7	Ottawa, ON
May 23	Minneapolis, MN	Nov 7	Anaheim, CA
Jun 6	Palm Bay, FL	Nov 14	San Jose, CA
Jun 6	Manchester, NH	Nov 14	Manchester, NH
Jun 6	Schaumburg, IL	Dec 5	Manchester, NH
Jun 13	Buffalo, NY	Dec 5	Toronto, ON
Jun 13	Seattle, WA	Dec 12	Seattle, WA
Jun 20	Anaheim, CA	Dec 12	Schaumburg, IL
Jun 20	Toronto, ON	Dec 19	Manchester, NH
Jun 27	Manchester, NH	Dec 19	Watertown, CT

ALSO AVAILABLE

Crimp Terminations Certification & Recertification

- Jan 2 Manchester, NH
- Aug 15 Manchester, NH
- Dec 29 Manchester, NH

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.



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

IPC-A-600 Certified IPC Trainer (CIT)

IPC-A-600 "The Acceptability of Printed Boards"

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

IPC-A-600 CIT Certification & Recertification

Feb 10 - 12 . . . Toronto, ON
 Mar 24 - 26 . . . Schaumburg, IL
 May 7 - 9 Toronto, ON
 Jun 9 - 11 Manchester, NH
 Jun 16 - 18 Schaumburg, IL
 Aug 4 - 6 Toronto, ON
 Oct 27 - 29 Manchester, NH
 Nov 26 - 28 Toronto, ON

ON-LINE Start time: 10am E.S.T.

Jan 6 - 8
 Mar 17 - 19
 May 12 - 14
 Jun 30 - Jul 2
 Sep 3 - 5
 Nov 3 - 5

Challenge Test

IN-PERSON Manchester, NH

Jan 3 Jun 19
 Jan 24 Aug 7
 Feb 14 Sep 12
 Feb 26 Oct 17
 Apr 11 Nov 7
 May 9 Dec 22
 Jun 6

ON-LINE Start time: 10am E.S.T.

Jan 8	May 14	Sep 17
Jan 22	May 28	Oct 1
Feb 5	Jun 11	Oct 15
Feb 19	Jun 25	Oct 29
Mar 5	Jul 9	Nov 12
Mar 19	Jul 23	Nov 24
Apr 2	Aug 6	Dec 10
Apr 16	Aug 20	Dec 22
Apr 30	Sep 3	

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.



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

IPC-A-600 Certified IPC Specialist (CIS)

IPC-A-600 "The Acceptability of Printed Boards"

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

IPC-A-600 CIS Certification & Recertification

Feb 10 - 12 . . . Toronto, ON
 Mar 24 - 26 . . . Schaumburg, IL
 Apr 2 - 4 San Diego, CA
 May 7 - 9 Toronto, ON
 Jun 9 - 11 Manchester, NH
 Jun 16 - 18 Schaumburg, IL
 Aug 4 - 6 Toronto, ON
 Oct 27 - 29 Manchester, NH
 Nov 26 - 28 Toronto, ON

ON-LINE Start time: 10am E.S.T.

Jan 6 - 8
 Mar 17 - 19
 May 12 - 14
 Jun 30 - Jul 2
 Sep 3 - 5
 Nov 3 - 5

Challenge Test

IN-PERSON Manchester, NH

Jan 3 Jun 19
 Jan 24 Aug 7
 Feb 14 Sep 12
 Feb 26 Oct 17
 Apr 11 Nov 7
 May 9 Dec 22
 Jun 6

ON-LINE Start time: 10am E.S.T.

Jan 8 May 14 Sep 17
 Jan 22 May 28 Oct 1
 Feb 5 Jun 11 Oct 15
 Feb 19 Jun 25 Oct 29
 Mar 5 Jul 9 Nov 12
 Mar 19 Jul 23 Nov 24
 Apr 2 Aug 6 Dec 10
 Apr 16 Aug 20 Dec 22
 Apr 30 Sep 3

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.



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

IPC-A-600 Certified Standards Expert (CSE)

IPC-A-600 "The Acceptability of Printed Boards"

Become a subject matter expert in IPC-A-600.

IPC-A-600 CSE Certification & Recertification

Feb 10 - 12 ... Toronto, ON
 Mar 24 - 26 ... Schaumburg, IL
 May 7 - 9 ... Toronto, ON
 Jun 9 - 11 ... Manchester, NH
 Jun 16 - 18 ... Schaumburg, IL
 Aug 4 - 6 ... Toronto, ON
 Oct 27 - 29 ... Manchester, NH
 Nov 26 - 28 ... Toronto, ON

ON-LINE Start time: 10am E.S.T.

Jan 6 - 8
 Mar 17 - 19
 May 12 - 14
 Jun 30 - Jul 2
 Sep 3 - 5
 Nov 3 - 5

Challenge Test

IN-PERSON Manchester, NH

Jan 3 Jun 19
 Jan 24 Aug 7
 Feb 14 Sep 12
 Feb 26 Oct 17
 Apr 11 Nov 7
 May 9 Dec 22
 Jun 6

ON-LINE Start time: 10am E.S.T.

Jan 8	May 14	Sep 17
Jan 22	May 28	Oct 1
Feb 5	Jun 11	Oct 15
Feb 19	Jun 25	Oct 29
Mar 5	Jul 9	Nov 12
Mar 19	Jul 23	Nov 24
Apr 2	Aug 6	Dec 10
Apr 16	Aug 20	Dec 22
Apr 30	Sep 3	

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.



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

IPC-7711/7721 Certified IPC Trainer (CIT)

IPC-7711 "Rework of Electronic Assemblies"

IPC-7721 "Repair & Modification of Printed Boards and Electronic Assemblies"

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

IPC-7711/7721 CIT Certification

Jan 20 - 24 . . . San Jose, CA
 Jan 20 - 24 . . . Toronto, ON
 Feb 10 - 14 . . . Manchester, NH
 Feb 10 - 14 . . . Minneapolis, MN
 Feb 17 - 20 . . . Palm Bay, FL
 Mar 3 - 7 . . . Schaumburg, IL
 Mar 3 - 7 . . . Watertown, CT
 Mar 10 - 14 . . . Toronto, ON
 Apr 7 - 11 . . . San Jose, CA
 Apr 21 - 25 . . . Manchester, NH
 Jun 2 - 6 . . . Manchester, NH
 Jun 2 - 6 . . . Minneapolis, MN
 Jun 9 - 13 . . . Toronto, ON
 Jun 9 - 13 . . . San Jose, CA
 Jul 7 - 11 . . . Schaumburg, IL

Jul 14 - 17 . . . Palm Bay, FL
 Jul 21 - 25 . . . Watertown, CT
 Aug 11 - 15 . . . Manchester, NH
 Aug 25 - 29 . . . San Jose, CA
 Aug 25 - 29 . . . Minneapolis, MN
 Oct 6 - 10 . . . Watertown, CT
 Oct 20 - 24 . . . San Jose, CA
 Oct 20 - 24 . . . Toronto, ON
 Oct 27 - 31 . . . Manchester, NH
 Oct 27 - 31 . . . Schaumburg, IL
 Nov 17 - 21 . . . Minneapolis, MN
 Dec 1 - 5 . . . Manchester, NH
 Dec 8 - 12 . . . Toronto, ON
 Dec 15 - 18 . . . Palm Bay, FL
 Dec 15 - 19 . . . San Jose, CA

IPC-7711/7721 CIT Recertification

Jan 20 - 21 . . . Minneapolis, MN
 Jan 30 - 31 . . . Manchester, NH
 Feb 3 - 4 . . . Palm Bay, FL
 Feb 13 - 14 . . . Toronto, ON
 Feb 20 - 21 . . . Schaumburg, IL
 Mar 26 - 27 . . . San Jose, CA
 Mar 31 - Apr 1 . . . Manchester, NH
 Apr 14 - 15 . . . Minneapolis, MN
 Apr 28 - 29 . . . Schaumburg, IL
 May 5 - 6 . . . Toronto, ON
 May 28 - 29 . . . San Jose, CA
 May 29 - 30 . . . Manchester, NH
 Jun 9 - 10 . . . Palm Bay, FL
 Jun 11 - 12 . . . Watertown, CT

Jun 30 - Jul 1 . . . Manchester, NH
 Jul 7 - 8 . . . San Jose, CA
 Jul 21 - 22 . . . Minneapolis, MN
 Aug 7 - 8 . . . Toronto, ON
 Aug 4 - 5 . . . Manchester, NH
 Sep 3 - 4 . . . Schaumburg, IL
 Sep 22 - 23 . . . Manchester, NH
 Oct 27 - 28 . . . Minneapolis, MN
 Nov 17 - 18 . . . Palm Bay, FL
 Nov 24 - 25 . . . San Jose, CA
 Nov 24 - 25 . . . Schaumburg, IL
 Nov 24 - 25 . . . Toronto, ON
 Nov 24 - 25 . . . Watertown, CT
 Nov 24 - 25 . . . Manchester, NH

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.



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

IPC-7711/7721 Certified IPC Specialist (CIS)

IPC-7711 "Rework of Electronic Assemblies"

IPC-7721 "Repair & Modification of Printed Boards and Electronic Assemblies"

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

IPC-7711/7721 CIS Certification

Jan 20 - 24 . . . San Jose, CA	Jul 14 - 17 . . . Palm Bay, FL
Jan 20 - 24 . . . Toronto, ON	Jul 21 - 25 . . . Watertown, CT
Feb 10 - 14 . . . Manchester, NH	Aug 11 - 15 . . . Manchester, NH
Feb 10 - 14 . . . Minneapolis, MN	Aug 25 - 29 . . . San Jose, CA
Feb 17 - 20 . . . Palm Bay, FL	Aug 25 - 29 . . . Minneapolis, MN
Mar 3 - 7 . . . Schaumburg, IL	Oct 6 - 10 . . . Watertown, CT
Mar 3 - 7 . . . Watertown, CT	Oct 20 - 24 . . . San Jose, CA
Mar 10 - 14 . . . Toronto, ON	Oct 20 - 24 . . . Toronto, ON
Apr 7 - 11 . . . San Jose, CA	Oct 27 - 31 . . . Manchester, NH
Apr 21 - 25 . . . Manchester, NH	Oct 27 - 31 . . . Schaumburg, IL
Jun 2 - 6 . . . Manchester, NH	Nov 17 - 21 . . . Minneapolis, MN
Jun 2 - 6 . . . Minneapolis, MN	Dec 1 - 5 . . . Manchester, NH
Jun 9 - 13 . . . Toronto, ON	Dec 8 - 12 . . . Toronto, ON
Jun 9 - 13 . . . San Jose, CA	Dec 15 - 18 . . . Palm Bay, FL
Jul 7 - 11 . . . Schaumburg, IL	Dec 15 - 19 . . . San Jose, CA

IPC-7711/7721 CIS Recertification

Jan 20 - 21 . . . Minneapolis, MN	Jun 30 - Jul 1 . . . Manchester, NH
Jan 30 - 31 . . . Manchester, NH	Jul 7 - 8 . . . San Jose, CA
Feb 3 - 4 . . . Palm Bay, FL	Jul 21 - 22 . . . Minneapolis, MN
Feb 13 - 14 . . . Toronto, ON	Aug 7 - 8 . . . Toronto, ON
Feb 20 - 21 . . . Schaumburg, IL	Aug 4 - 5 . . . Manchester, NH
Mar 26 - 27 . . . San Jose, CA	Sep 3 - 4 . . . Schaumburg, IL
Mar 31 - Apr 1 . . . Manchester, NH	Sep 22 - 23 . . . Manchester, NH
Apr 14 - 15 . . . Minneapolis, MN	Oct 27 - 28 . . . Minneapolis, MN
Apr 28 - 29 . . . Schaumburg, IL	Nov 17 - 18 . . . Palm Bay, FL
May 5 - 6 . . . Toronto, ON	Nov 24 - 25 . . . San Jose, CA
May 28 - 29 . . . San Jose, CA	Nov 24 - 25 . . . Schaumburg, IL
May 29 - 30 . . . Manchester, NH	Nov 24 - 25 . . . Toronto, ON
Jun 9 - 10 . . . Palm Bay, FL	Nov 24 - 25 . . . Watertown, CT
Jun 11 - 12 . . . Watertown, CT	Nov 24 - 25 . . . Manchester, NH

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.



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

IPC-7711/7721 Certified Standards Expert (CSE)

IPC-7711 "Rework of Electronic Assemblies"

IPC-7721 "Repair & Modification of Printed Boards and Electronic Assemblies"

Become a subject matter expert in IPC-7711 and IPC-7721.

IPC-7711/7721 CSE Certification

Jan 20 - 24 ... San Jose, CA	Jul 14 - 17 ... Palm Bay, FL
Jan 20 - 24 ... Toronto, ON	Jul 21 - 25 ... Watertown, CT
Feb 10 - 14 ... Manchester, NH	Aug 11 - 15 ... Manchester, NH
Feb 10 - 14 ... Minneapolis, MN	Aug 25 - 29 ... San Jose, CA
Feb 17 - 20 ... Palm Bay, FL	Aug 25 - 29 ... Minneapolis, MN
Mar 3 - 7 ... Schaumburg, IL	Oct 6 - 10 ... Watertown, CT
Mar 3 - 7 ... Watertown, CT	Oct 20 - 24 ... San Jose, CA
Mar 10 - 14 ... Toronto, ON	Oct 20 - 24 ... Toronto, ON
Apr 7 - 11 ... San Jose, CA	Oct 27 - 31 ... Manchester, NH
Apr 21 - 25 ... Manchester, NH	Oct 27 - 31 ... Schaumburg, IL
Jun 2 - 6 ... Manchester, NH	Nov 17 - 21 ... Minneapolis, MN
Jun 2 - 6 ... Minneapolis, MN	Dec 1 - 5 ... Manchester, NH
Jun 9 - 13 ... Toronto, ON	Dec 8 - 12 ... Toronto, ON
Jun 9 - 13 ... San Jose, CA	Dec 15 - 18 ... Palm Bay, FL
Jul 7 - 11 ... Schaumburg, IL	Dec 15 - 19 ... San Jose, CA

IPC-7711/7721 CSE Recertification

Jan 20 - 21 ... Minneapolis, MN	Jun 30 - Jul 1 ... Manchester, NH
Jan 30 - 31 ... Manchester, NH	Jul 7 - 8 ... San Jose, CA
Feb 3 - 4 ... Palm Bay, FL	Jul 21 - 22 ... Minneapolis, MN
Feb 13 - 14 ... Toronto, ON	Aug 7 - 8 ... Toronto, ON
Feb 20 - 21 ... Schaumburg, IL	Aug 4 - 5 ... Manchester, NH
Mar 26 - 27 ... San Jose, CA	Sep 3 - 4 ... Schaumburg, IL
Mar 31 - Apr 1 ... Manchester, NH	Sep 22 - 23 ... Manchester, NH
Apr 14 - 15 ... Minneapolis, MN	Oct 27 - 28 ... Minneapolis, MN
Apr 28 - 29 ... Schaumburg, IL	Nov 17 - 18 ... Palm Bay, FL
May 5 - 6 ... Toronto, ON	Nov 24 - 25 ... San Jose, CA
May 28 - 29 ... San Jose, CA	Nov 24 - 25 ... Schaumburg, IL
May 29 - 30 ... Manchester, NH	Nov 24 - 25 ... Toronto, ON
Jun 9 - 10 ... Palm Bay, FL	Nov 24 - 25 ... Watertown, CT
Jun 11 - 12 ... Watertown, CT	Nov 24 - 25 ... Manchester, NH

Challenge Test

IN-PERSON Manchester, NH

Jan 3	Jun 19
Jan 24	Aug 7
Feb 14	Sep 12
Feb 26	Oct 17
Apr 11	Nov 7
May 9	Dec 22
Jun 6	

ON-LINE Start time: 10am E.S.T.

Jan 8	May 14	Sep 17
Jan 22	May 28	Oct 1
Feb 5	Jun 11	Oct 15
Feb 19	Jun 25	Oct 29
Mar 5	Jul 9	Nov 12
Mar 19	Jul 23	Nov 24
Apr 2	Aug 6	Dec 10
Apr 16	Aug 20	Dec 22
Apr 30	Sep 3	

Challenge Test

IN-PERSON Manchester, NH

Jan 3	Jun 19
Jan 24	Aug 7
Feb 14	Sep 12
Feb 26	Oct 17
Apr 11	Nov 7
May 9	Dec 22
Jun 6	

ON-LINE Start time: 10am E.S.T.

Jan 8	May 14	Sep 17
Jan 22	May 28	Oct 1
Feb 5	Jun 11	Oct 15
Feb 19	Jun 25	Oct 29
Mar 5	Jul 9	Nov 12
Mar 19	Jul 23	Nov 24
Apr 2	Aug 6	Dec 10
Apr 16	Aug 20	Dec 22
Apr 30	Sep 3	

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.



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

IPC-6012 Certified IPC Trainer (CIT)

IPC-6012 "Qualification and Performance Specification for Rigid Printed Boards"

Become an expert in the design, specifications, fabrication and inspection of printed circuit boards.

IPC-6012 CIT Certification & Recertification

ON-LINE Start time: 10am E.S.T.

Feb 24 - 27
Jul 28 - 31
Oct 27 - 30

Challenge Test

IN-PERSON Manchester, NH

Jan 3
Jan 24
Feb 14
Feb 26
Apr 11
May 9
Jun 6

Jun 19
Aug 7
Sep 12
Oct 17
Nov 7
Dec 22

ON-LINE Start time: 10am E.S.T.

Jan 8	May 14	Sep 17
Jan 22	May 28	Oct 1
Feb 5	Jun 11	Oct 15
Feb 19	Jun 25	Oct 29
Mar 5	Jul 9	Nov 12
Mar 19	Jul 23	Nov 24
Apr 2	Aug 6	Dec 10
Apr 16	Aug 20	Dec 22
Apr 30	Sep 3	

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.



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

IPC-6012 Certified IPC Specialist (CIS)

IPC-6012 "Qualification and Performance Specification for Rigid Printed Boards"

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

IPC-6012 CIS Certification & Recertification

ON-LINE Start time: 10am E.S.T.

Feb 24 - 27
Jul 28 - 31
Oct 27 - 30

Challenge Test

IN-PERSON Manchester, NH

ON-LINE Start time: 10am E.S.T.

Jan 3	Jun 19	Jan 8	May 14	Sep 17
Jan 24	Aug 7	Jan 22	May 28	Oct 1
Feb 14	Sep 12	Feb 5	Jun 11	Oct 15
Feb 26	Oct 17	Feb 19	Jun 25	Oct 29
Apr 11	Nov 7	Mar 5	Jul 9	Nov 12
May 9	Dec 22	Mar 19	Jul 23	Nov 24
Jun 6		Apr 2	Aug 6	Dec 10
		Apr 16	Aug 20	Dec 22
		Apr 30	Sep 3	

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.



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

IPC-6012 Certified Standards Expert (CSE)

IPC-6012 "Qualification and Performance Specification for Rigid Printed Boards"

Become a subject matter expert in IPC-A-6012.

IPC-6012 CSE Certification & Recertification

ON-LINE Start time: 10am E.S.T.

Feb 24 - 27
Jul 28 - 31
Oct 27 - 30

Challenge Test

IN-PERSON Manchester, NH

Jan 3
Jan 24
Feb 14
Feb 26
Apr 11
May 9
Jun 6

Jun 19
Aug 7
Sep 12
Oct 17
Nov 7
Dec 22

ON-LINE Start time: 10am E.S.T.

Jan 8
Jan 22
Feb 5
Feb 19
Mar 5
Mar 19
Apr 2
Apr 16
Apr 30

May 14
May 28
Jun 11
Jun 25
Jul 9
Jul 23
Aug 6
Aug 20
Sep 3

Sep 17
Oct 1
Oct 15
Oct 29
Nov 12
Nov 24
Dec 10
Dec 22

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.



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

IPC Interconnect Designer Certification (CID and CID+)

IPC-2221 "Generic Standard on Printed Board Design"

IPC-2222 "Sectional Standard on Rigid Organic Printed Boards"

These courses go 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.

IPC CID Certification

ON-LINE Start time: 10am E.S.T.

FOR LECTURE AND EXAM ONLY*

Jan 13 - 16
 Feb 3 - 6
 Mar 10 - 13
 Apr 7 - 10
 May 5 - 8
 Jun 9 - 12
 Jul 14 - 17
 Aug 11 - 14
 Sep 8 - 11
 Oct 6 - 9
 Nov 10 - 13
 Dec 1 - 4

IPC CID+ Certification

ON-LINE Start time: 10am E.S.T.

FOR LECTURE AND EXAM ONLY*

Feb 10 - 13
 Apr 22 - 25
 Jun 23 - 26
 Aug 18 - 21
 Oct 13 - 16
 Dec 8 - 11

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.



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

IDEA Counterfeit Component Training

IDEA-TRN-2000 "Inspection for Visual Indicators of Counterfeit Parts"

IDEA-STD-1010 "Acceptability of Electronic Components Distributed in the Open Market"

IDEA Counterfeit Component Workshop

IDEA-TRN-2000 Inspection for Visual Indicators of Counterfeit Parts
A basic introduction to Counterfeit Mitigation and to IDEA-STD-1010

ON-LINE Start time: 10am E.S.T.

Mar 26
Jul 9
Nov 26

IDEA Essentials

IDEA-STD-1010 "Acceptability of Electronic Components Distributed in the Open Market"

ON-LINE Start time: 10am E.S.T.

Jan 2 - 3
Mar 27 - 28
Jul 10 - 11
Nov 24 - 25

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.



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

Hand Soldering Certification

J-STD-001 "Requirements for Soldered Electrical & Electronic Assemblies"

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. Students learn the accept/reject criteria for Surface Mount Assembly and Rework first hand through the construction, inspection and rework of a surface mount board. Lead and Lead-free included.

Hand Soldering Certification

Jan 6 - 10	Manchester, NH	Jul 21 - 25	Toronto, ON
Jan 6 - 10	Philadelphia, PA	Jul 21 - 25	Portland, OR
Jan 13 - 17	Palm Bay, FL	Jul 28 - Aug 1	Palm Bay, FL
Jan 20 - 24	Seattle, WA	Jul 28 - Aug 1	Manchester, NH
Jan 20 - 24	Watertown, CT	Aug 4 - 8	Schaumburg, IL
Jan 27 - 31	Schaumburg, IL	Aug 4 - 8	Long Island, NY
Jan 27 - 31	Syracuse, NY	Aug 11 - 15	Rochester, NY
Feb 3 - 7	Minneapolis, MN	Aug 11 - 15	Toronto, ON
Feb 3 - 7	Manchester, NH	Aug 11 - 15	San Jose, CA
Feb 3 - 7	Buffalo, NY	Aug 18 - 22	Manchester, NH
Feb 10 - 14	Binghamton, NY	Aug 18 - 22	Minneapolis, MN
Feb 10 - 14	Schaumburg, IL	Aug 18 - 22	Buffalo, NY
Feb 24 - 28	San Jose, CA	Sep 8 - 12	Atlanta, GA
Feb 24 - 28	Toronto, ON	Sep 8 - 12	Anaheim, CA
Feb 24 - 28	Manchester, NH	Sep 8 - 12	Kansas City, MO
Mar 3 - 7	San Diego, CA	Sep 15 - 19	Manchester, NH
Mar 3 - 7	Atlanta, GA	Sep 15 - 19	Seattle, WA
Mar 3 - 7	Long Island, NY	Sep 15 - 19	Schaumburg, IL
Mar 10 - 14	Seattle, WA	Sep 15 - 19	Watertown, CT
Mar 10 - 14	Schaumburg, IL	Sep 22 - 26	San Diego, CA
Mar 10 - 14	Watertown, CT	Sep 22 - 26	Toronto, ON
Mar 17 - 21	San Jose, CA	Sep 22 - 26	San Jose, CA
Mar 17 - 21	Toronto, ON	Sep 22 - 26	Philadelphia, PA
Mar 17 - 21	Rochester, NY	Sep 29 - Oct 3	Manchester, NH
Mar 17 - 21	Manchester, NH	Sep 29 - Oct 3	Ottawa, ON
Mar 24 - 28	Anaheim, CA	Oct 6 - 10	San Jose, CA
Mar 24 - 28	Portland, OR	Oct 6 - 10	Minneapolis, MN
Mar 31 - Apr 4	Palm Bay, FL	Oct 13 - 17	Palm Bay, FL
Apr 7 - 11	Manchester, NH	Oct 13 - 17	Syracuse, NY
Apr 7 - 11	Kansas City, MO	Oct 20 - 24	Manchester, NH
Apr 7 - 11	Schaumburg, IL	Oct 20 - 24	Schaumburg, IL
Apr 14 - 18	Syracuse, NY	Oct 20 - 24	Pittsburgh, PA
Apr 21 - 25	Minneapolis, MN	Oct 27 - 31	Binghamton, NY
Apr 28 - May 2	San Jose, CA	Nov 3 - 7	Toronto, ON
Apr 28 - May 2	Pittsburgh, PA	Nov 3 - 7	Seattle, WA
Apr 28 - May 2	Manchester, NH	Nov 10 - 14	Schaumburg, IL
May 12 - 16	Buffalo, NY	Nov 10 - 14	Buffalo, NY
May 12 - 16	Ottawa, ON	Nov 10 - 14	Manchester, NH
May 12 - 16	Toronto, ON	Nov 17 - 21	San Jose, CA
May 12 - 16	Seattle, WA	Nov 17 - 21	Watertown, CT
May 12 - 16	Watertown, CT	Dec 1 - 5	San Diego, CA
May 12 - 16	Philadelphia, PA	Dec 1 - 5	Schaumburg, IL
May 19 - 23	San Diego, CA	Dec 8 - 12	Rochester, NY
May 19 - 23	Schaumburg, IL	Dec 8 - 12	Minneapolis, MN
Jun 2 - 6	Toronto, ON	Dec 8 - 12	San Jose, CA
Jun 2 - 6	Binghamton, NY	Dec 15 - 19	Portland, OR
Jun 2 - 6	San Jose, CA	Dec 15 - 19	Manchester, NH
Jun 9 - 13	Manchester, NH	Dec 15 - 19	Anaheim, CA
Jun 9 - 13	Schaumburg, IL		
Jun 16 - 20	Minneapolis, MN		
Jul 7 - 11	Manchester, NH		
Jul 7 - 11	Seattle, WA		
Jul 7 - 11	San Diego, CA		
Jul 14 - 18	Schaumburg, IL		
Jul 14 - 18	Pittsburgh, PA		
Jul 14 - 18	San Jose, CA		
Jul 21 - 25	Anaheim, CA		

Hand Soldering Recertification

Jan 3	San Jose, CA	Jun 13	San Diego, CA
Jan 3	Manchester, NH	Jun 18	Manchester, NH
Jan 10	San Diego, CA	Jun 19	Schaumburg, IL
Jan 24	Schaumburg, IL	Jul 2	Manchester, NH
Jan 24	Kansas City, MO	Jul 4	Toronto, ON
Feb 14	Rochester, NY	Jul 23	Minneapolis, MN
Feb 21	Seattle, WA	Jul 25	Rochester, NY
Mar 10	San Diego, CA	Aug 6	Manchester, NH
Mar 14	Manchester, NH	Sep 5	Minneapolis, MN
Mar 26	Minneapolis, MN	Sep 5	San Jose, CA
Mar 26	Watertown, CT	Oct 1	Toronto, ON
Mar 27	Schaumburg, IL	Oct 1	Watertown, CT
Mar 28	San Jose, CA	Oct 10	San Diego, CA
Apr 4	Manchester, NH	Oct 10	Manchester, NH
Apr 28	Anaheim, CA	Oct 17	Schaumburg, IL
May 23	Toronto, ON	Oct 24	Seattle, WA
May 27	Manchester, NH	Nov 20	Manchester, NH
May 30	San Jose, CA	Dec 12	Kansas City, MO
Jun 13	Watertown, CT		

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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

Advanced Surface Mount Micro Hand Soldering

J-STD-001 / IPC-A-610 / IPC-7711

Learn proper techniques for placement, soldering and rework of fine pitch and multi-leaded extra fine pitch surface mount components

Advanced SMT Micro Hand Soldering Certification

Mar 24 - 25 . . . San Jose, CA	Sep 3 - 4 San Jose, CA
Apr 2 - 3 Manchester, NH	Sep 24 - 25 . . . Manchester, NH
Apr 16 - 17 . . . Minneapolis, MN	Oct 13 - 14 . . . Schaumburg, IL
May 29 - 30 . . . Schaumburg, IL	Dec 15 - 16 . . . Minneapolis, MN
Jun 16 - 17 . . . Manchester, NH	

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

PCB Fundamentals Training

IPC-A-610 "The Acceptability of Electronic Assemblies"

IPC/WHMA-A-620 "Requirements and Acceptance for Cable and Wire Harness Assemblies"

Crimp Terminations Certification & Recertification

Jan 2 Manchester, NH
 Aug 15 Manchester, NH
 Dec 29 Manchester, NH

Electrostatic Discharge (ESD) Training

ON-LINE Start time: 10am E.S.T.

Jan 31
 Apr 11
 Aug 15
 Oct 31

Component ID Training

ON-LINE Start time: 10am E.S.T.

Jan 10
 Apr 4
 Jul 18
 Oct 3

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