



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

Aug 8 - 12 Ottawa, ON
 Aug 15 - 19 San Diego, CA
 Aug 15 - 19 Watertown, CT
 Aug 15 - 19 Seattle, WA
 Aug 22 - 26 Rochester, NY
 Aug 22 - 26 Toronto, ON
 Aug 29 - Sep 2 Manchester, NH
 Sep 12 - 16 Minneapolis, MN
 Sep 12 - 16 Toronto, ON
 Sep 19 - 23 Schaumburg, IL
 Oct 3 - 7 Binghamton, NY
 Oct 3 - 7 Toronto, ON
 Oct 10 - 14 Anaheim, CA
 Oct 31 - Nov 4 San Bruno, CA
 Oct 31 - Nov 4 Manchester, NH
 Nov 7 - 11 Watertown, CT
 Nov 14 - 18 San Diego, CA
 Nov 21 - 25 Ottawa, ON
 Nov 28 - Dec 2 Seattle, WA
 Dec 5 - 9 Schaumburg, IL
 Dec 12 - 16 Palm Bay, FL
 Dec 12 - 16 Kansas City, MO
 Dec 12 - 16 Long Island, NY
 Dec 12 - 16 Toronto, ON
 Dec 19 - 23 Buffalo, NY

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

Feb 21 - 24
 Apr 25 - 28
 Jun 27 - 30
 Aug 15 - 18
 Oct 17 - 20
 Dec 26 - 29

Challenge Test

Jan 7 Manchester, NH
 Jan 31 Manchester, NH
 Feb 25 Manchester, NH
 Mar 11 Manchester, NH
 Apr 1 Manchester, NH
 May 6 Manchester, NH
 May 20 Manchester, NH
 Jun 29 Manchester, NH
 Jul 21 Manchester, NH
 Aug 5 Manchester, NH
 Sep 22 Manchester, NH
 Oct 20 Manchester, NH
 Nov 18 Manchester, NH
 Dec 19 Manchester, NH

Challenge Test

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

Jan 5	Jul 6
Jan 19	Jul 20
Feb 2	Aug 3
Feb 16	Aug 17
Mar 2	Aug 31
Mar 16	Sep 14
Mar 30	Sep 28
Apr 13	Oct 12
Apr 27	Oct 26
May 11	Nov 9
May 25	Nov 22
Jun 8	Dec 7
Jun 22	Dec 21

J-STD-001 CSE Space Addendum Certification

Jan 28 Manchester, NH
 Feb 18 Watertown, CT
 Feb 21 San Diego, CA
 Feb 23 Toronto, ON
 Mar 28 Manchester, NH
 Apr 29 Rochester, NY
 May 13 Watertown, CT
 May 13 Toronto, ON
 Jun 30 Manchester, NH
 Jul 22 Manchester, NH
 Aug 5 Watertown, CT
 Sep 30 Manchester, NH

Oct 21 San Diego, CA
 Nov 11 Manchester, NH
 Nov 11 Toronto, ON
 Dec 20 Manchester, NH

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

Feb 25
 Apr 29
 Jul 1
 Aug 26
 Oct 21
 Nov 18

J-STD-001 CSE Recertification

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

Aug 3 - 4 Watertown, CT
 Aug 3 - 4 Buffalo, NY
 Aug 4 - 5 Toronto, ON
 Aug 4 - 5 Seattle, WA
 Aug 11 - 12 Minneapolis, MN
 Aug 14 - 15 Long Island, NY
 Aug 24 - 25 Schaumburg, IL
 Aug 25 - 26 Kansas City, MO
 Sep 8 - 9 Manchester, NH
 Sep 14 - 15 Palm Bay, FL
 Sep 21 - 22 Rochester, NY
 Oct 5 - 6 San Diego, CA
 Oct 5 - 6 Manchester, NH
 Oct 5 - 6 Seattle, WA
 Oct 13 - 14 Buffalo, NY
 Nov 3 - 4 Schaumburg, IL
 Nov 9 - 10 Manchester, NH
 Nov 9 - 10 Toronto, ON
 Nov 16 - 17 Watertown, CT
 Nov 16 - 17 Minneapolis, MN

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

Feb 16 - 17
 Apr 20 - 21
 Jun 22 - 23
 Aug 24 - 25
 Oct 5 - 6
 Nov 16 - 17

Challenge Test

Jan 7 Manchester, NH
 Jan 31 Manchester, NH
 Feb 25 Manchester, NH
 Mar 11 Manchester, NH
 Apr 1 Manchester, NH
 May 6 Manchester, NH
 May 20 Manchester, NH
 Jun 29 Manchester, NH
 Jul 21 Manchester, NH
 Aug 5 Manchester, NH
 Sep 22 Manchester, NH
 Oct 20 Manchester, NH
 Nov 18 Manchester, NH
 Dec 19 Manchester, NH

Challenge Test

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

Jan 5	Jul 6
Jan 19	Jul 20
Feb 2	Aug 3
Feb 16	Aug 17
Mar 2	Aug 31
Mar 16	Sep 14
Mar 30	Sep 28
Apr 13	Oct 12
Apr 27	Oct 26
May 11	Nov 9
May 25	Nov 22
Jun 8	Dec 7
Jun 22	Dec 21

J-STD-001 CSE Space Addendum Certification

Jan 28 Manchester, NH
 Feb 18 Watertown, CT
 Feb 21 San Diego, CA
 Feb 23 Toronto, ON
 Mar 28 Manchester, NH
 Apr 29 Rochester, NY
 May 13 Watertown, CT
 May 13 Toronto, ON
 Jun 30 Manchester, NH
 Jul 22 Manchester, NH
 Aug 5 Watertown, CT
 Sep 30 Manchester, NH

Oct 21 San Diego, CA
 Nov 11 Manchester, NH
 Nov 11 Toronto, ON
 Dec 20 Manchester, NH

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

Feb 25
 Apr 29
 Jul 1
 Aug 26
 Oct 21
 Nov 18