



IPC-JSTD-001 Certified IPC Specialist (CIS) Requirements for Soldered Electrical and Electronic Assemblies

The J-STD-001 Certification Course consists of 6 modules. This course is a combination of lectures, written examinations, soldering and inspection labs. Students receive a full review and explanation of the entire contents of the IPC-STD-001 standard, providing a full understanding of process control requirements for soldering of electronics. Students will be required to assemble and solder acceptable workmanship samples. Workmanship grades will be based on acceptable workmanship as well as inspection of their own work.

The J-STD-001 course is modular, allowing companies to choose the areas pertaining to their manufacturing needs. Module 1 is a prerequisite for all other modules; Module 3 is a prerequisite for Modules 4-6. Modules 2, 4 -6 are optional. Class duration depends on number of modules completed.

Upon successful completion students will receive an IPC Certification, which is valid for 2 years.

<p>Module 1: General Requirements (prerequisite for all modules)</p> <p>Students are required to solder the following components:</p> <p>Module 2 – Wire and Terminals</p> <ul style="list-style-type: none"> • Thermal and Mechanical Stripping / Timming of Wires using solder pots and soldering iron. • Gold Cup • Turret • Bifurcated • Pierced/Perforated/Pierced or Hook Terminal <p>Module 3 – Printed Circuit Board Damage / Conformal Coating / Encapsulation / Adhesive (prerequisite for Modules 4-6)</p>	<p>Module 4 – Through Hole Soldering</p> <ul style="list-style-type: none"> • ¼ Watt Axial Leaded Resistors • Glass Body Diodes • Radial Leaded Capacitor with Standoff • Metal Cased Transistors with Standoff • 16-Leaded DIP <p>Module 5 – Surface Mount Soldering</p> <ul style="list-style-type: none"> • 0402 Chip Resistors • 1206 Chip/MELF Components • 0805 Chip Resistors • 14-Leaded SOIC / Gull Wing • 20-Leaded J-Leaded / PLCC • 100-Leaded Quad Flat Pack /Gull Wing • D-PAKS <p>Module 6 - Inspection</p> <ul style="list-style-type: none"> • Printed Circuit Board & Terminals Inspection
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