

IPC-A-610D Training and Certification Program Certified IPC Specialist (CIS) Course Syllabus

IPC-A-610D is the most widely used electronics assembly standard in the world. A must for all quality assurance and assembly departments, **IPC-A-610D** illustrates industry-accepted workmanship criteria for electronics assemblies. Topics include lead free, component orientation and soldering criteria for PTH, SMT and discrete wiring assemblies, mechanical assembly, cleaning, marking, coating, and laminate requirements.



- **MODULE 1:** Introduction/IPC Professional Policies and Procedures
- **MODULE 2:** Foreword, Applicable Documents, & Handling
- **MODULE 3:** Hardware Installation
- **MODULE 4:** Soldering (Including High Voltage)
- **MODULE 5:** Terminal Connections (Requires Module 4)
- **MODULE 6:** Through-Hole Technology (Including Jumper Wires) (Requires Modules 4 & 8)
- **MODULE 7:** Surface Mount Assemblies (Including Jumper Wires) (Requires Modules 4 & 8)
- **MODULE 8:** Component Damage and Printed Circuit Boards and Assemblies
- **MODULE 9:** Solderless Wire Wrap

Course Objective and Benefits: By completing this program, the successful graduate will improve his or her individual discrimination skills, offering a higher level of understanding of accept/reject criteria for printed circuit assemblies and hardware critical to the quality objectives of your organization.

The successful graduate will have passed a rigorous open and closed book course assessment exam, pertinent to sections of the IPC-A-610D relevant to their course of study. Whether completing the entire course, or individual modules, the graduate will receive a comprehensive education in the required course material.

Who should take this course?

Soldering operators, inspectors, technicians, rework operators, engineers and managers who wish to extend their knowledge, comprehension and require a proper interpretation of the IPC-A-610D.