

Electronics Manufacturing Processes

Boot Camp A: Intensive Electronics Manufacturing Training



ISO 9001:2008
CERTIFIED

Overview

ACI Technologies offers multiple training courses about the business of electronics assembly; the Boot Camp series is the most extensive.

Electronics Manufacturing Processes (Boot Camp A) is a comprehensive course which presents the core and necessary material that is critical to understanding modern circuit board assembly. It is designed to familiarize engineers, technicians, quality assurance personnel and managers with the various processes, equipment, and materials used in the industry today.

State of the art classrooms and ACI's on site 10,000 square foot factory acquaint students with a real production environment. With a 50-50 split between in-class lecture and hands-on equipment labs, it is an exceptionally well-balanced overall experience.

Who Should Attend

Engineers, technicians, quality assurance personnel and managers can familiarize themselves with the various processes, equipment, analytical tools and materials used in the industry today.

Content

- Electrostatic discharge (ESD) concerns
- Hand, selective and wave soldering
- IPC standards such as J-STD-001 and A-610
- PCB cleaning processes
- Pick and place processes
- Reflow technologies
- SMT and through-hole component types
- Solder paste stencil printing
- Solder pastes, fluxes, materials and thermal profiling

Benefits

Participants will acquire an increased knowledge of the various processes, materials, and common test methods used in electronics manufacturing. Industry recognized processes and procedures will be introduced and discussed. When applied, these processes may assist with decision-making when designing for manufacturability. This course is ideal for design, process and quality engineers, supervisors and senior technicians desiring to increase their knowledge of electronics manufacturing through both classroom discussion and hands-on experience. Design engineers will enhance their ability to design for manufacturing in a real world environment while process engineers will significantly enhance their process and manufacturing skills.

Duration, Registration and Pricing

Contact the training center via any of the methods provided below for this five-day course.



ACI Technologies, Inc. • phone: 610.362.1200 • web: www.aciusa.org
Training Center • phone: 610.362.1295 • email: registrar@aciusa.org
Helpline • phone: 610.362.1320 • email: helpline@aciusa.org

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