

ELECTRONICS ASSEMBLY FOR OPERATORS



Details: The Electronics Assembly for Operators course introduces the key tools, materials, and processes for operators working in electronics assembly. This course is designed to encompass the entire assembly process, including a customizable selection of Modules to address the current needs and future goals of operators and organizations.

Course Objective & Overview

After completing this course, candidates will be able to employ the correct procedures for constructing Printed Circuit Board Assemblies (PCAs) within an electronics manufacturing facility

Access

IPC EDGE Learning Management System

Difference from IPC-A-610 & IPC J-STD-001

Electronics Assembly for Operators course is a Foundation Level course and prerequisite for IPC-A-610 for Operators and J-STD-001 for Operators and not an **alternative** for the IPC Endorsement/Certification programs: <https://www.electronics.org/ipc-certifications>

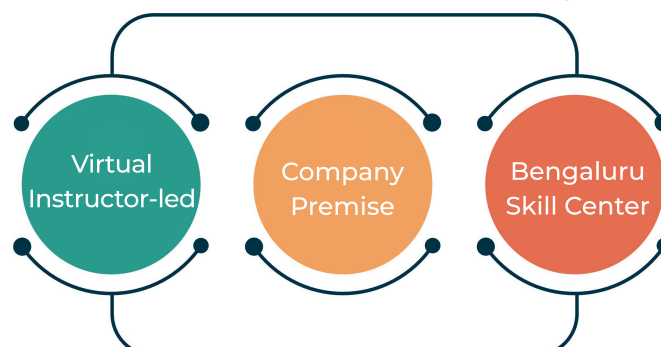
Credential

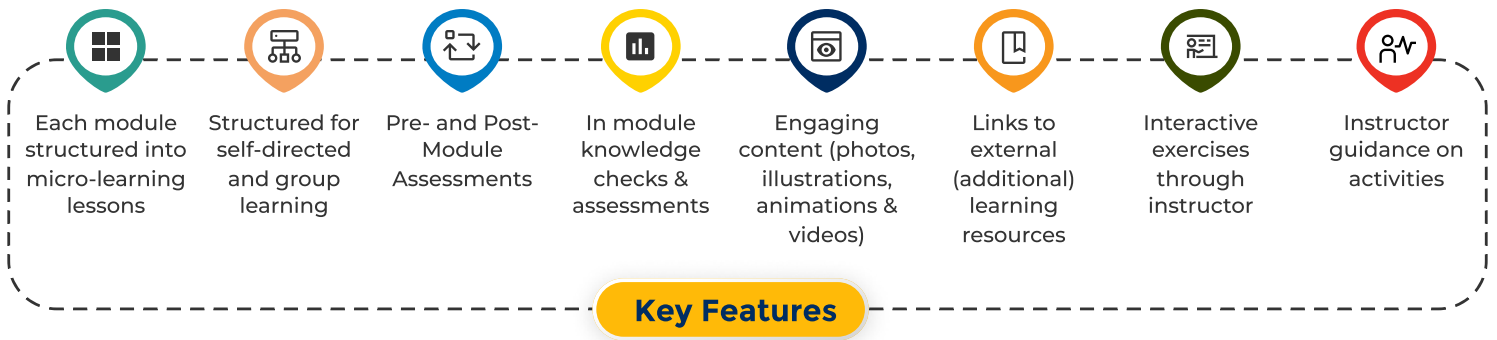
Qualified IPC Assembly Operator

Course Structure

Contains nine mandatory modules and a final exam. A score of 80% is required to pass the final exam and earn the Global Electronics credential. There are nine additional modules to allow expanded learning on specific topics.

Mode of Training





Day 1 (8 hours)

Mandatory Modules

1. Introduction to the Electronics Industry
2. Introduction to Printed Circuit Assembly (PCA)
3. Overview of Assembly and Soldering Processes
4. Safety
5. ESD & Product Handling
6. Component Identification

Day 2 (8 hours)

Mandatory Modules

7. Drawings, Specifications &
 8. Measurements
 9. Basic PCB/PCA Defects
IPC Standards
- Final Exam: Modules 1-9 (90 minutes)

Day 3 (8 hours)

Optional Modules

Important for EMS Companies

10. Introduction to Hand Soldering
11. Surface Mount Technology
12. Through-Hole Technology
13. Hardware
14. Conformal Coating
15. Press Fit

Note: There will be test after each module

Day 4 (8 hours)

Optional Modules

Important for Cable & Wire Harness Companies

16. Wire and Cable Preparation
17. Wires and Terminals Technology
18. Cables and Harness Technology

IMPORTANT NOTES

- GST applicable at 18% on the quoted price
- 100% payment to be made before 7 working days of the course commencement
- Minimum 10 & maximum 20 candidates/batch
- Company will share candidates name & details (as per Global Electronics Association format) 7 days in advance before commencement of the course
- Session can be organized on Saturdays
- Participation Certificate shall be provided to the candidates on Global Electronics Association India letterhead
- For In-house Training, Travelling charges to and fro and stay of trainer should be booked by members only
- For in-house training, the member company should arrange the necessary kits, practical tools, and equipment.

Price

Non Member

INR 23,375

Member

INR 17,000

For more information, please connect

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