

Advanced Microsoldering & Board Repair Course

5-Day Course Schedule

1

Advanced
Foundations

- Flex cable and FPC refresher to reset technique before the week begins.
- Advanced BGA soldering theory, SMD precision technique, and micro iron work.
- Professional DC power supply application for fault triage and short isolation.

2

Schematics &
Power Faults

- Advanced schematic fluency and board view software navigation.
- Full and partial short detection using thermal imaging and systematic rail isolation.
- Power sequencing faults and charging IC diagnosis and replacement.

3

Circuit Repair &
BGA Work

- Backlight circuit diagnosis, component replacement, and full circuit rebuilds.
- BGA removal, reballing with stencils, and verified reinstallation.
- Trace repair, jumper wires, and UV solder mask application.

4

IC-Level Repair
& Recovery

- Underfill removal and CPU, NAND, and Wi-Fi IC-level diagnosis and repair.
- Liquid damage triage, ultrasonic cleaning, and corrosion fault isolation.
- Data recovery workflow, NAND transplanting, and client documentation standards.

5

Workshop &
Graduation

- Open workshop where you repair your own devices with instructor support.
- Real faults, your repairs, and guided diagnosis from experienced instructors.
- Certificate presentation, class photos, and next steps in your repair journey.