Certified Evidence Repair Technician - Forensic (CERT-F)

Global forensic training

Level
Expert

Length
Five days (35 hours)

Training Track
Forensics

Delivery mode
Instructor-Led

Course description

The Certified Evidence Repair Technician – Forensic (CERT-F) course is a 5-day expert level program designed to teach investigators who encounter damaged mobile devices which require repair before facilitating the extraction of data in a forensically sound manner. In this highly interactive course, students will learn best practices and how to replace key components on mobile devices and USB flash drives using proper disassembly and reassembly techniques. Students will learn how to use proper heat and basic soldering techniques to repair or replace components that include, but are not limited to inoperative data and charging ports, broken LCD screens, power buttons, "home" buttons and other parts. Upon successful completion of this course, students may earn their CERT-F certification by completing a practical competency examination. The exam requires students to successfully diagnose and repair a provided handset and achieve a successful extraction using UFED technology. Attendees will receive a toolkit containing the items listed below as well as a solder practice board. By passing an examination and practical skills assessment in this course, you will earn the Certified Evidence Repair Technician - Forensic credential.

Module	Description and objectives
Introduction	
Overview of Mobile Device Evidence Repair	• 3 Levels of RepairMajor Component Identification • Diagnosis • Disassemble (if required) • Identity/ Repair /Replace • Reassemble • CData Extraction
Form Factor Identification, Disassembly, & Reassembly	• Dome Repair • Phone Disassembly/Reassembly • Alternate Repair Techniques
Apple Devices	• Advanced Disassembly Techniques • Reassembly • iPhone Data/Charging Port Replacement • iPhone LCD/Digitizer Screen Replacement
Water Damage	• Corrosion • Treatment/Repair
Soldering	• Introduction to Soldering • Types of Solder Repairs • Cold Swap • Hot Swap
Working Device Repair Activity	• Cold Swap • Flex Printed Circuit Connection • Hot Swap • Data Port/Charging Port Replacemen
UFED Technology	• Data Extraction
Practical Competency Examination	• Diagnose, repair, and extract data using UFED Technology

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