



This course was developed with the ever-changing field of digital forensics in mind. No longer can we rely on just commercial tools and automated processes. Now more than ever, it is important to be able to diagnose inoperable devices and perform device repairs at the board level so we can obtain our data extractions.

Through a combination of lectures and hands on practicals, students will learn indispensable diagnosis skills, troubleshooting resources, and the latest repair techniques utilizing state of the art equipment.

The course curriculum was developed by our instructors who are experienced repair professionals and expert digital forensic examiners who practice these skills on a daily basis.

All students will leave with course content PDFs, our Repair Guide, and the Teel Technologies Board Level Repair Kit, as well as priceless tips. The kits will be used in class. If students cannot transport their kits from the training location, then the kits will be shipped to your lab at no additional cost.



Although this course will follow a specific program, content is subject to change depending on student interest and inquiries, as well as any break through digital forensics techniques. This course will also teach you when the data is unrecoverable.

#### Course Details

**\$3950**

Course Code: **AT-BLR**

Duration: **5 days**

Laptop Required: **Yes**

This class is open to all forensic professionals

#### Course topics

- Equipment and resources
- Knowledge of printed circuit boards
- Recognition of surface mount components (SMCs)
- How SMCs work and how SMCs fail
- Precision soldering techniques
- Fixing/repairing previous mistakes
- Trace and pad repair
- Reballing
- Water damage repair
- How to properly use a digital multimeter
- Familiarity and use of an oscilloscope
- Basic component repair
- Complex board repair
- Device specific common troubleshooting
- Troubleshooting non-functioning devices
- Reading schematics
- What to do when you do not have schematics as a reference