Broadband Fiber Optic Technician
Level 3

Technician

This advanced level instructor-led course is heavily focused on field-simulated hands-on skills. After a brief theory portion that explains the main areas of focus, learners will begin a three-day hands-on project that simulates a real-world installation from receiving the work order to completing a scaled installation to preparing documentation for a closeout package. There is heavy emphasis on repetitive practice in each area of focus to instill the confidence to lead nearly any installation project.

COMING SOON

This capstone course offers two track options for completion: Emergency Restoration and Air Blown Fiber. Each is its own four-day course, but they can be combined into a single five-day offering.

Learners that complete either track will earn Credly digital badges for Light Brigade course completion and Sumitomo Advanced Fusion Splicing Skills, as well as be eligible to sit for the ETA Broadband Fiber Technician Level 2 (BFT-2) certification exam.

Emergency Restoration Track

The emergency restoration track includes theory topics consisting of advanced outside plant, splicing, testing, and troubleshooting. Following the theory, learners will receive a project work order where they will spend one day splicing and routing high fiber count single fiber and ribbon fiber cables. The second day will consist of advanced testing and troubleshooting of the installed network using an optical time-domain reflectometer (OTDR) and light source/power meter set. On the third day, learners will perform emergency restorations of damaged cable and splice breaks, including retesting and preparing performance documentation for the project closeout.

Air Blown Fiber Track

The air blown fiber (ABF) track includes theory topics consisting of advanced outside plant, splicing, testing, and air blown fiber basics. Following the theory, learners will receive a project work order where they will spend one day preparing ABF duct and blowing cable to splice chambers. The second day will consist of splicing and routing high fiber count single fiber cables. On the third day, learners will perform advanced testing and troubleshooting of the installed network using an optical time-domain reflectometer (OTDR) and light source/power meter set and then prepare performance documentation for the project closeout.

Credentialing

ETA® International Broadband Technician 2 (BFT-A)
Valid for four years.

Light Brigade Digital Badge
Complete this course and receive a Credly digital badge.

Sumitomo Fusion Splicing Expert
Complete this course and receive a Credly digital badge.

Click or scan for detailed course information and upcoming locations.

Light Brigade® BROADBAND ACADEMY

For training, tools, or equipment:
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