



Certification

UTC Fiber Optic Professional

This certification is valid for three years.



Course Fees*

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| Level 1 Technician <i>Three-day course</i> | \$1500 |
| Level 2 Designer <i>One-day course</i> | \$600 |
| Level 1 and Level 2 (Save \$300) <i>Four-day course</i> | \$1800 |
| Level 3 Advanced Designer <i>Custom course only; call for details</i> | |
| Certification for any level | |
| <i>UTC member rate</i> | \$175 |
| <i>Non-member rate</i> | \$275 |

Discounts

- 10% Multiple attendees
- 10% USTelecom members
- 15% IMSA, UTC, and FBA members
- 25% Light Brigade alumni

* Prices valid for registrations received at least 21 days prior to class.

Upcoming Dates and Locations

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|------------------------|---------------------|
| Denver, CO | January 16-19, 2018 |
| Memphis, TN | March 26-29, 2018 |
| Birmingham, AL | April 24-27, 2018 |
| Kansas City, MO | July 10-13, 2018 |
| Seattle, WA | August 7-10, 2018 |
| Sacramento, CA | November 6-9, 2018 |

Fiber Optics For Utilities

The Fiber Optics for Utilities training program is a series of instructor-led courses developed in partnership with the Utilities Technology Council (UTC) specifically for those who construct, install, maintain, or design utility-based fiber optic networks. It consists of three courses: Level 1 Technician, Level 2 Designer, and Level 3 Advanced Designer.

The Level 1 Technician and Level 2 Designer courses are scheduled back to back in a four-day block. The Level 3 Advanced Designer course is available by request only.

Level 1 Technician (Days 1-3)

This course features 12 hours of lecture and 12 hours of hands-on skill exercises that focus on how to properly install and maintain aerial and underground fiber optic systems in utility networks. Develop your splicing, termination, testing, and troubleshooting skills to increase efficiency, reliability, and deployment speed in the field. Safety is emphasized.

Level 2 Designer (Day 4)

Learn fiber optic design parameters, cable management alternatives, route planning, optical testing requirements, test results interpretation, and cable system design. Those involved in the design, administration, operation, and supervision of utility-based fiber optic networks will benefit.

Prerequisite: Knowledge of fiber optics, field experience or formal training such as our Level 1 course, Fiber Optics 1-2-3 or completion of online or video training like Light Brigade's Staff Development Videos

Level 3 Advanced Designer (Custom Course Only)

This technical primer focuses on dense wavelength division multiplexing (DWDM) systems and transmission impairments such as PMD and CD that limit the bandwidth and operating rates of fiber optic transmission systems. Gain a solid understanding from WDM theory to applications with a special emphasis on fiber dispersion limits and DWDM system design considerations.

Prerequisite: Knowledge of fiber optic theory and either field experience or formal training such as Fiber Optics for Utilities Designer Level 2