



Lesson Plan: Fiber Optics Advanced 24 **(Time Agenda: 6 Day -24 hours)**

This course is designed to give experienced installers/technicians additional hands-on practice with terminating and testing optical fiber, therefore it is strongly recommended that all participants have completed BICSI INSTF (IN250), TEJATC Sumitomo, and TEJATC Fluke Certification Testing courses. FOA24 is a fully developed project that expands the participants knowledge in reviewing and reading blueprints, project scope, routing and dressing, cable breakout, terminating single mode SC/LC/ APC/SoC/Unicams in rack closures and in wall closures, splicing single mode loose-tube and tight-buffer in splice cases, certification Testing and Troubleshooting with Fluke Certifiber Pro OLTS and OptiFiber Pro OTDR.

Class 1: Route, Dress, & Cable Prep

- 6:00-6:15 Introductions
- 6:15-7:00 Review class material, project scope, and plans & specs
- 7:00-8:00 Identify & Label cables and termination locations
- 8:00-9:00 Route and secure cables on ladder rack
- 9:00-10:00 Route and secure cables into rack & wall enclosures

Class 2: Terminate Rack-Mount Enclosures

- 6:00-6:15 Review plans & specs, perform job task & safety analysis
- 6:15-7:00 Break-out cables in rack enclosures
- 7:00-7:45 Terminate 6 Singlemode SC splice-on pigtails
- 7:45-8:30 Terminate 6 Singlemode SC splice-on connectors (Lynx2)
- 8:30-9:15 Terminate 6 Singlemode LC Unicam connectors
- 9:15-10:00 Terminate 6 Singlemode SC/APC splice-on pigtails

Class 3: Terminate Wall-Mount Enclosures

- 6:00-6:15 Review plans & specs, perform job task & safety analysis
- 6:15-7:00 Break-out cables in wall enclosures
- 7:00-7:45 Terminate 6 Singlemode SC splice-on pigtails
- 7:45-8:30 Terminate 6 Singlemode SC splice-on connectors (Lynx2)

8:30-9:15 Terminate 6 Singlemode LC Unicam connectors
9:15-10:00 Terminate 6 Singlemode SC/APC splice-on pigtails

Class 4: Splice OSP Enclosures

6:00-6:15 Review plans & specs, perform job task & safety analysis
6:15-7:00 Break-out cables in OSP splice enclosures
7:00-8:00 Fusion Splice 24 Singlemode
9:00-10:00 Close & Test OSP enclosure case

Class 5: Tier 1 OLTS Testing

6:00-6:15 Review plans & specs, perform job task & safety analysis
6:15-7:00 Review Tier 1 OLTS Test procedures and setup
7:00-9:00 Perform Tier 1 OLTS testing
9:00-10:00 Review & document test results

Class 6: Tier 2 OTDR Testing & Troubleshooting

6:00-6:15 Review plans & specs, perform job task & safety analysis
6:15-7:00 Review Tier 2 OTDR Test procedures and setup
7:00-8:00 Perform Tier 2 OTDR Testing
8:00-9:00 Perform Troubleshooting
9:00-9:30 Review, Q&A, Conclusion
9:30-10:00 Clean-up & Lab tear-down