

Fiber Optics-FOA Fiber Optic Technician



A DIVISION OF ECPI UNIVERSITY

Install and maintain your fiber optic network and learn the skills to minimize network downtime. Learn the ins-and-outs of design considerations and specification requirements. Students will spend over 70% of their time doing hands-on labs including work on budget/loss analysis techniques for fiber optic circuits. Learn safety requirements and proper techniques for terminating and splicing fiber.

Students can request to take the CFOT® (Certified Fiber Optic Technician) exam, after the completion of the course. This certification is nationally recognized from the Fiber Optic Association.



WHAT THIS COURSE COVERS

- Fiber Optics Basic Principles and Operation
- Fiber Optic Components and Applications
- Fiber Optic Installation(S)
- Time- and Money-Saving Installation Techniques
- How to Install, Test and Certify Fiber Optic Networks Correctly and Confidently
- Hands-On Practice Doing:
 - Fusion Splicing Fiber Optic Cables and Factory Pigtail Connector Assemblies,
 - Testing [OLTS and OTDR],
 - Inspections.

WHO SHOULD TAKE THIS

- IT Technicians
- Maintenance Technicians
- Instrumentation Technicians
- Fire Alarm Contractors
- Electricians
- Plant and Facility Maintenance Technicians
- Building Engineers and Designers

COURSE OUTCOMES

- Identify the Components of Fiber Optic Systems.
- Install, Test, and Certify Fiber Optic Networks.
- Comply with Fiber Optics Safety Rules and Procedures.
- Certification: This Training Program is Designed to Lead to Certified Fiber Optic Technician (CFOT) Certification Through the Fiber Optic Association (FOA).
 - Testing for this Certification is Administered by NTT

COURSE AGENDA

- Introduction to Fiber Optics
- How and What Fiber Optics are made of
- Fiber Optics Connectors, Splices, and Terminations
- Fiber Optics Networks
- Fiber Optic Network Design Considerations
- Fiber Optic Installation Requirements
- Fiber Optic Test Equipment
- Practical Application of Fiber Optics in a Work Setting

Lecture

Hands-on

• **ONSITE:** 3-days (24 hours)

• **LIVE ONLINE:** N/A



ONSITE - TRAINING TOUR - LIVE VIRTUAL - ONLINE - HANDS ON - AUDITS - CONSULTING - **TRAINED WORKERS. STRONGER COMPANIES.**
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