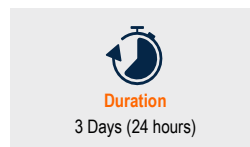


# Fiber Optic Training



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.

## 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

## WHO SHOULD TAKE THIS

- IT Technicians
- Maintenance Technicians
- Instrumentation Technicians
- Fire Alarm contractors
- Electricians
- Plant & facility maintenance technicians
- Building engineers & designers

## COURSE AGENDA

- Introduction to Fiber Optics
- How and What Fiber Optics are made of
- Fiber Optics Connectors, Splices, & 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



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