

TS FSD 400 Training Course

Fiber Optic Design Course for Multimode and Single-mode Optical Local Area Networks

Description

TS FSD 400 optical design course targets customers who desire an in-depth knowledge of optical local area networks (LANs). The design course was written by experienced system engineers who work with consultants and end-users daily to meet their optical network requirements. This four-day course covers all aspects of successful fiber optic system design from network protocols, network configurations, optical cabling, industry communications standards, determination of fiber count, hardware selection, splicing/termination methods, and cable system testing and documentation. All that is learned is put into practice through multiple and intensive case studies.

Class Size: Class size is a minimum of 10 students

Class Time: 8:30 a.m. - 5:00 p.m.

Class Length: 4 days

BICSI Continuing Education Credit (CEC): RCDD® = 28 hours; NTS = 7; Outside Plant = 7 hours; Installer = 15 hours; Technician = 18 hours; Certified Trainer = 28 hours

Curriculum

- Theory and Principles of Fiber Optics
- Fiber Types
- Optical Sources
- Cable Selection in Network Design
- Termination and Splicing
- Hardware
- Structured Cabling Standards including ANSI/TIA-568-C
- Standards and Subcommittees
- National Electrical Code® (NEC®)
- Ethernet
- Fibre Channel
- Network Cabling Design
 - Data Center Design
- Cross Connect Design
- Internetworking
- Logical Network
- Optical Testing and Measurements