Essential Courses 1, 2, & 3

Our mission is to provide best-in-class fiber optic training and consulting to support personnel involved in managing and building fiber optic networks as they become the next generation of industry leaders. Advanced fiber optic training designed for all professionals including IT administrator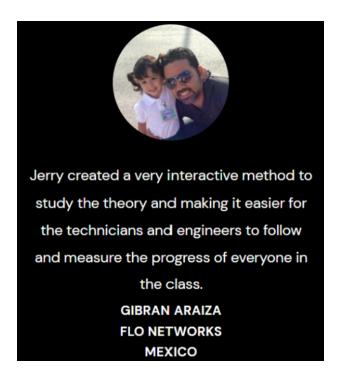s, technicians, contractors, end users, and technical sales personnel. The Optix America Fiber Optic Essential Courses are designed for individuals seeking to learn the fundamental knowledge and skills related to fiber optic technology per industry standards.

Features

- Best-in-class fiber optic training and consulting to support personnel involved in managing and building fiber optic networks
- Courses taught by Master Instructors & Training Advisors for the Fiber Optic Association (FOA)
- Master Instructors have long term experience as technical services and training managers at Tier 1 Network Operators
- Master Instructors have real world experience delivering, managing, and executing fiber optic projects for outside plant, telecom, broadband, enterprise, FTTx/FTTH, data centers, and government installations.
- Three Courses include Fiber Optic Essentials 1, Fiber Optic Essentials 2, and Fiber Optic Essentials 3
- Fiber Optic Essentials 1: Blended Online Mastery with CFOT Three Day Onsite Skills Challenge
- Fiber Optic Essentials 2: Online Mastery
- Fiber Optic Essentials 3: Company Focused Fiber Optic Training, Consulting & Project Management
- Register Now! Coming to a city near you, check schedule online

Fiber Optic Essential Courses

Fiber Optic Essentials 1 : Blended Mastery with CFOT Three Day Onsite Skills Challenge
- Industry Approved curriculum Includes self-paced learning activities, virtual instructor led sessions, in person hands-on training, and remote coaching
- Completion will meet criteria to test for the CFOT (Certified Fiber Optic Technician) credential offered by the Fiber Optic Association Inc. (FOA), in partnership with KOD.
- Course Includes Digital FOA Textbook and FOA certification test fees
- Seven week access to virtual and interactive self-led modules and online activities
- Three day Hands-on Skills Lab at customer site includes fiber preparation, fusion splicing, and fiber optic testing including OTDR trace analysis
- Virtual Instructor led sessions
- Personalized coaching
- Access to virtual community and private slack support for one year
- Upon completion, student will be prepared to pursue and advance to technical/sales and project management roles in the fiber optic industry
- Available in English and Spanish

Fiber Optic Essentials 2: Online Mastery
- Industry Approved Curriculum Includes self-paced learning activities, virtual instructor led sessions, and remote coaching.
- Completion will meet criteria to test for the CFOT (Certified Fiber Optic Technician) credential offered by the Fiber Optic Association Inc. (FOA), in partnership with KOD.
- Course Includes consumables on-boarding kit, Digital FOA Textbook, and FOA test fees
- Seven week access to virtual and interactive self-led modules and online activities
- Virtual Instructor led sessions
- Personalized coaching
- Digital license to FOA Reference Guide to Fiber Optics
- Access to virtual community and private slack support for one year
- Upon completion, student will be prepared to pursue and advance to technical/sales and project management roles in the fiber optic industry
- Available in English and Spanish

Fiber Optic Essentials 3: Company Focused Fiber Optic Training, Consulting & Project Management
- Tailored network planning and design for your company's specific needs
- Project management for your specific installation
- Custom training options for your employees
- Project plans and documentation development
- PMI based Project Lifecycle Management
- Creation of tailored elearning solutions for your organization
- Deliver Train-the-Trainer programs
- Great for Service Providers, MSO's, Coops, Contractors, End Users
- Available in English and Spanish

Ordering Information

CLASS	Description
FOE-1	Fiber Optic Essentials 1 Blended Three Day Onsite + Online Mastery Course
FOE-2	Fiber Optic Essentials 2 Online Mastery Course
FOE-3	Company Focused Fiber Optic Training, Consulting, and Project Management

Course Outline: Fiber Optic Essentials Online Mastery

Week 0: Course Orientation
Welcome
Fiber Essentials: User Agreement
Learning Platform Navigation Introduction
What is the FOA?
Demystifying Fiber Optics
Week 0: Goals Setting Assignment

Week 1: Fiber Optic Essentials - Fundamentals
Live Session: Course Orientation and Fiber Fundamentals
Fiber Optic Theory
Fiber Terminology
Intro to Codes and Standards
Fiber Safety
Week 1 Reflection Assignment: Progress and Challenges

Week 2: Fiber Optic Applications and Systems
Live Session: Fiber Applications and Systems
Fiber Optic Applications
Fiber Optic Transmission Systems
Fiber Optic Data-Links
Fiber Optic Types
Fiber Optic Cables
Fiber Optic Connectors
Fiber Optic Termination: Connector Polishing
Fiber Optic Connectivity Hardware
Week 2 Reflection Assignment: Progress and Challenges

Week 3: Fiber Optic Installation and Project Management
Live Session: Fiber Installation and Project Management
Project Management Essentials
Fiber Optic Design Fundamentals
Outside Plant Safety
Outside Plant Fiber Installation Methods and Best Practices
Premises Fiber Installation Best Practices
Fiber Optic Connectivity Hardware
Servant Leadership for Telecom Professionals
Week 3 Reflection Assignment: Progress and Challenges

Week 4: Fiber Splicing, Termination, and Testing
Live Session: Termination, Splicing, and Testing (Hands-on Prep)
Fiber Optic Essential Tools
Tools for Fiber Installation, Splicing, and Testing
Basic Fusion Splicing
Fusion Splicer Operation and Maintenance
Fiber Optic Testing
Week 4 Reflection Assignment: Progress and Challenges

Week 5: Fiber Labs and Hands-on Exercises
Live Session: Hand-on Labs
Hands-on: Physics Lab
Hands-on: ISP Cable Preparation
Hands-on: OSP Cable Preparation
Hands-on: Cable Bonding and Grounding
Hands-on: Connectivity Hardware Setup
Hands-on: Fiber Connector Installation
Hands-on: Fiber Connector Inspection and Cleaning
Hands-on: Splice Tray Preparation
Hands-on: Fusion Splicing and Storage
Hands-on: Fiber Testing (Inspection, VFL, OLTS, OTDR)
Hands-on: OTDR Trace Analysis and Reporting
W5 Reflection Assignment: Progress and Challenges

Week 6: Maintenance & Restoration, Project Closeout, & Course Review
Live Session: CFOT Test Prep and Course Closing
Fiber Restoration and Maintenance
Fiber Project Closeout and Handover
Week 6 Reflection Assignment: Achievements and Future Goals
Career Development in the Fiber Optics Industry

Week 7: FiberWizards Essentials Final Test
Final Test
One-on-one review