



FIBRE OPTICS PROFESSIONAL COURSE CONTENT



**Professional Hands-on
Fiber Optics
Installation
Training**

FIBRE OPTICS PROFESSIONAL COURSE CONTENT	
Hands-On Fiber Optics installation Course	<ul style="list-style-type: none"> ✗ Fusion & Mechanical Splicing, Termination / Connectorization ✗ Cable Preparation and OTDR Operation ✗ Optical Loss Testing of Multimode and Single-mode Fiber. ✗ Fibre project design
Tranning Description	<p>This 3-day program is a professional hands-on Fiber Optics Installation course that prepares Network /Telecoms Engineers with the required knowledge to design, deployed, and maintain Fiber Optics project confidently and professionally. It is a practical course that focuses on ensuring thorough understand of every important aspect of Fiber Optics project design and delivery. It takes participant with NO assumption of prior Fiber Optics knowledge. All aspects are taught from basics to advance with extensive hands-on practices.</p>
Course Summary	<p>On completion of the course, you will be proficient in</p> <ul style="list-style-type: none"> ✗ Theory of fibre optics and Fundamentals ✗ Fiber Optics Design, Transmission Principles ✗ Attenuation issues ✗ Standards – Installation & Test Standards ✗ Terminations / Connectorization ✗ Panels & Enclosures ✗ Splicing – Mechanical & Fusion ✗ Installation – Premise & OSP ✗ Optical Testing – OLTS, OTDR & ORL, FTTx ✗ Troubleshooting ✗ Restoration ✗ Networking Design – Link budget calculation ✗ Safety and documentation.
Course Focus	<p>Fiber optic system build & Principles of fiber optics</p> <ul style="list-style-type: none"> ✗ Cable types and manufacturing techniques: loose tube and tight-buffered cables ✗ Termination methods for field-installable connectors, pigtails and pre-connectorized assemblies ✗ Cable preparation techniques for splicing (Fusion and Mechanical) and Connectorization ✗ Fiber Optic Couplers and Switches ✗ Performance Specifications ✗ Enclosures & Panels (Distribution, routing, installation, Premise & Outside Plant methods) ✗ Testing: Use and operation of the Optical Time Domain Reflectometer (OTDR) / light source & Power meter ✗ Optical Loss Testing & System Budget Calculations ✗ Emergency Restoration and Maintenance ✗ WDM & DWDM Issues

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	<ul style="list-style-type: none"> ✗ System Design Exercise ✗ Fiber Optic Safety ✗ Fiber Optic Network testing and documentation: procedures and requirements
Hands-On Practical	<ul style="list-style-type: none"> ✗ Cleave, Polish, Splice Optical Fiber and Inspect Fibre Connectors. ✗ Perform Fiber Acceptance Test ✗ Perform Optical Loss Budget ✗ Prepare Fiber Optic Panels and Enclosure ✗ Clean Fiber Optic Connector ✗ Perform Fiber optic link budget - Distance planning ✗ Deploy Fiber Optic project professionally, from start to finish; without unnecessary exposure to all associated health hazards.
Course Package	<p>The comprehensive Package includes :</p> <ul style="list-style-type: none"> ✗ 4 days course with lectures and practical ✗ Refreshments and Lunches ✗ Comprehensive course notes and manual ✗ Certificate of recognition upon completion of the course
Cost /Investment	<p>Training fee = N65,000</p> <p>Training fee Inclusive of:</p> <ul style="list-style-type: none"> ✗ Practical consumables ✗ Course Manuals ✗ Lunch for 4 days ✗ Certificate
The Training should be attended by	<ul style="list-style-type: none"> ✗ Project Managers ✗ Technical Directors and Managers ✗ IT/Telecoms Engineers & Field Integration Engineer ✗ Technicians ✗ Banks IT / Telecoms managers & ISP Technical managers ✗ ICT System Engineers ✗ Field Integration Engineer & ICT Consultants ✗ Young fresh graduates wishing to build a career in ICT
Training Overview	<p style="text-align: center;">Day 1 & Day 2</p> <p>Instructor led class work with PowerPoint presentation</p> <p style="text-align: center;">Day 3 & Day 4</p> <ul style="list-style-type: none"> ✗ Tools Identification ✗ Hands - On Lab work / Practical Closure ✗ Certificate handout
Registration	<p>Please Call :</p> <p style="color: blue;">Customer Care 08058675125 Taofeek 08023213558</p>

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