

# REGISTER NOW FOR FIBRE COURSES



## TransAfrican Fibre Services

TransAfrican Fibre Services has partnered with Optical Technology Training and Light Brigade to offer the following fibre courses in South Africa:



### Introduction to FTTx Course

This introductory course features 14 hours of classroom lectures with an experienced FTTx facilitator. Attendees will gain a broad base of knowledge and familiarity with FTTx architecture, network design, deployment technology, and some operational skills. An attendance certificate will be issued to attendees upon completion of the course.

**Duration:** 2 days

**Certification:** Certificate of attendance

**Cost:** R3 500 ex VAT

### FTTx for Installers and Technicians

This course has been developed with 16 hours of classroom lectures and 16 hours of hands-on skills labs to provide practical understanding and skills required to install, test, and troubleshoot PON and active Ethernet FTTx systems according to ITU, IEEE, and SCTE standards. Students will perform bidirectional testing, WDM testing, and splitter testing with the latest FTTx test equipment such as PON power meters and optical time-domain reflectometers.

**Duration:** 4 days

**Certifications and Credits:** ETA Fiber Optic Technician—Outside Plant (FOT-OSP) Certification

\* 18 BICSI ITS Continuing Education Credits \* 3 SCTE Recertification Units \* Light Brigade Certification of Completion

**Cost:** R9 550 ex VAT

ETA certification fee is \$150 and is valid for 4 years.



### Certified Optical Fibre Installer (COFI) for South Africa

This course is designed for installation and maintenance staff working on a range of fibre optic networks including enterprise and outside plant networks for datacoms and telecoms applications. It provides a broad knowledge of the components and equipment used and highlights good working practices in order to inspire a professional approach to the job role.

**Duration:** 5 days

**Certification:** Certified Optical Fibre Installer

**Cost:** R12 500 ex VAT



## Fibre Optic Test & Measurement Workshop

This fibre optic test and measurement workshop focuses on providing the basic information and practical experience required to carry out routine testing of point-to-point fibre optic cabling systems and FTTH systems using splitters in typical PON configurations.

**Duration:** 3 days

**Certification:** OTDR Certificate

**Cost:** R 6 500 ex VAT for training in Johannesburg / R5 700 ex VAT for training in Cape Town



## Certified Optical Network Associate (CONA)

This course provides an introduction to optical networking and the types of systems that are in widespread commercial deployment. You will learn how to design, plan and implement cost-effective optical networks. The course focuses on networks that use either single channel per fibre, or multiple channels using CWDM and DWDM technology, providing typically up to 10 or 25Gb/s per channel and up to 80 channels per fibre. This may include metro or core networks, mobile backhaul/FTTA, Data Centre Interconnect (DCI) or dark fibre links and long haul systems that also use fibre amplifiers. You will learn what is required for satisfactory system performance of such networks and how the performance can be affected by the properties and the quality of the physical fibre infrastructure including such issues as attenuation, chromatic dispersion and polarisation mode dispersion (PMD).

**Duration:** 5 days

**Certification:** Certified Fibre Optical Network Associate

**Cost:** On request

## One-Day Fibre Splicing Course

This one-day splicing course is an intense, hands-on course designed for those who have completed the fibre courses and would like more time behind the splicer to improve their skills. This supervised splicing course will give individuals the opportunity to prep, cleave and splice various fibres together. The supervisor will demonstrate good splicing techniques / tricks of the trade and the correct procedures to follow when splicing. The course runs from 09h00 to 16h00, providing 7 hours of splicing as much as you can. Limited space daily.

**Duration:** 1 day

**Certification:** A basic TAFS certificate of attendance will be issued

**Cost:** R1 500 ex VAT

**Please contact us for course dates and training locations.**

## About TransAfrican Fibre Services

TransAfrican Fibre Services is an independent fibre optical services company servicing the fibre industry in South Africa and the African continent. We dedicate our skills and resources to providing our customers with complete fibre optical solutions, with a special focus on training and quality control. With an ethos of attention to detail, loyalty to high quality products and a passion for training and quality control, TransAfrican Fibre Services has established itself as the leading expert in quality control and fibre training.

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