



**COURSE FEE: N180, 000.00**

**COURSE FEE WITHOUT THE CFOT CERTIFICATION: N100,000**

**COURSE DURATION: 5 DAYS**

Neonetwireless Nig Ltd offers the Certified Fiber Optic (CFOT) course. It is the Fiber Optic Association’s certification for general fiber optic applications. It is a first level certification and a prerequisite for any Specialist (CFOS/x) FOA certifications.

This course makes use of the FOA Reference Guide to Fiber Optics textbook by Jim Hayes. It is included with your registration.

The course format is a combination of lectures and hands-on training. Course topics include: Fiber Optic Theory, Fiber Optic Applications, Cable Characteristics, Connectors, Splicing, Testing and Troubleshooting.

Students are given a practical introduction to the tools of the trade. Examples include VFL, Light Source and Power Meter and OTDR. A Show-and-tell of various types of cables and connectors will be given. Students will be shown the techniques of handling, inspecting, cleaning, terminating, splicing and testing fiber optic cables. The lab exercises will give ample opportunity to practice these techniques.

At the end of the course, students write the CFOT exam. The exam is a test of the student’s level of knowledge of fiber optics and covers technology, components, installation and testing. It is a 100 question exam and the passing grade is 70%.

When the students have demonstrated satisfactory technique in the lab exercises and passed the exam Neonetwireless Nig Ltd will assign a certification number to the student and submit the student’s application to the Fiber Optic Association. The student will then receive from the FOA a membership card in the mail in approximately six weeks.

Our classes are limited to 8 students to ensure each participant receives individual mentoring. As time allows, our instructors strive to tailor relevant portions of the lab exercises the particular needs of the members of the class.

Neonetwireless Nig Ltd ensures that each student has all the fiber optic knowledge, tools and supplies they need to gain confidence in the future fiber optic duties.

**Course Topics Include**

**Fiber Optic Theory**

**Fiber Optic Applications**

**Cable Characteristics....SINGLE AND MULTIMODE CABLES**

**Connectors.....ST, SC, LC, FC ETC**

**Splicing.....FUJIKURA 60S, JILONG FUSION SPLICER ETC**

**Testing..... AGILENT HANDHELD OTDR, JDSU POWER METER**

**Troubleshooting.....OTDR**

**Test Equipment and Tool Usage...OTDR, LIGHT SOURCE, POWER METER ETC**