Fiber Optics Technician

COURSE OVERVIEW

Our mission is to provide our students with the hands-on knowledge and the ability to identify fiber types, recognize various connectors used in fiber installation; and install, terminate, splice and properly fault test installed fiber cable to existing standards. This program explores the history and future of Fiber Optics and Fiber Optics Capabilities and cost of installation.

COMPETENCIES GAINED

Using our quality Fusion Splicing Machines and other professional tools such as OTDR, students will prove their competence in the following:

▸ Understand the history and operation of Fiber Optics

▸ Terminate a variety of connectors

▸ Perform Fusion Splicing and Mechanical Splicing

▸ Perform cable preparation for Fusion and Mechanical Splicing

▸ Assemble a Splice enclosure

▸ Fully test and troubleshoot Fiber Optic cables and Fiber Optic Systems using an Optical Time Domain Reflectometer (OTDR).

PREREQUISITES

Participants must be computer literate.

LOCATION

▸ At our technical Training Centre Manila, Philippines OR

▸ We come to your Country Location and deliver the training at your preferred location (for interested companies with minimum number of students)
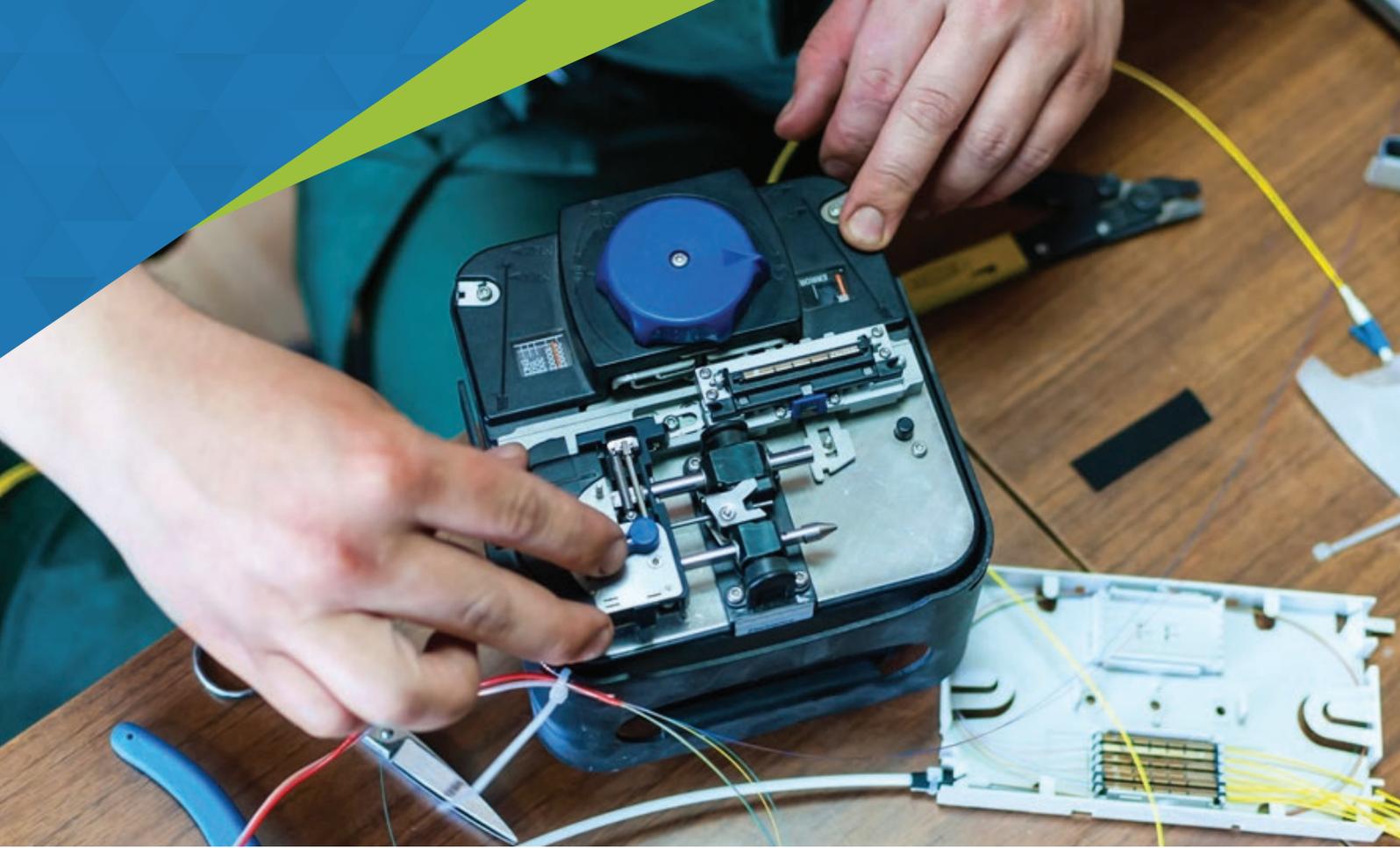
COURSE DURATION

▸ 3 days + FOA Certification Exam Time

WHO SHOULD ATTEND THE COURSE

Anyone who is to be employed in design, configuration, installation, testing, troubleshooting, or Fiber Optic system maintenance: technicians, System Analysts, Design Engineers, Managers, Telecommunication Professionals, Electronics Technicians, Electrical and Mechanical Technicians, Marine Electronics Technicians, Oilfield Technicians, ROV Technicians etc.

CERTIFICATIONS

A SubNet Certificate of Attendance is issued as standard and SubNet can (recommended) give the student the FOA (The Fiber Optic Association) certification exam immediately after the course ends and International Certification issued when exam is passed.

FIBER OPTICS TECHNICIAN COURSE CONTENT

DAY 1

▸ **Introduction to Fiber Optics**

▸ **History and Future of Fiber Optics Networking**

▸ **Fiber To the Desk**

▸ **Fiber To The Home**

▸ **Fiber Optics Networking**

▸ **Fiber Optics Networking**

▸ **Fiber Optics Safety**

▸ **Hands-on Session Begins**

DAY 2

▸ **Fiber Optics Networking Standards**

▸ **FOA-CFOT, BICSI and RCDD Certification**

▸ **Fiber Optics Cable and Connector Identification**

▸ **Outside Plant Cable Introduction.**

▸ **Hands-on Session Continues – Termination of Fiber Connector, Splicing (Mechanical & Fusion), Design & Installation of Fiber Cabling, Introduction to Splicing**

DAY 3

▸ **Outside Plant Fiber Cable preparation, termination & testing**

▸ **Introduction to Basic OTDR Functions**

▸ **Fiber To the Desk**

▸ **Use of the OTDR, Power Source and Light Meter Functions**

▸ **Continuity Testing, Tools and Equipment**

▸ **Fiber Optics Safety**

▸ **Competency Assessment, Results & Review, Conclusion FOA (Fiber Optic Association) Exam**

SubNet Services, Ltd.

📍 208-B Eulogio Amang Rodriguez Ave., Rosario, Pasig City, 1609, Philippines

📱 + 63 (0) 908.864.2756 | + 63 (0) 917 576 6544

✉ training@subnetservices.com

📶 blog.subnetservices.com

🌐 www.subnetservices.com