Dedicated to providing quality certification programs for the safe installation, operation and maintenance of public safety systems; delivering value for members by providing the latest information and education in the industry.

Certification

IMSA's internationally recognized Certification programs identify individuals who have demonstrated required knowledge, skills and experience to perform specific technical tasks in one or more of the following fields:

Fiber Optics

Fire Alarm Monitoring

Interior Fire Alarm

Public Reporting Systems

Public Safety Telecommunicator

Roadway Lighting

Signs and Pavement Markings

Traffic Signal Inspection

Traffic Signals

Transportation Center System Specialist

Work Zone Temporary Traffic Control

IMSA Certification reflects an individual's accomplishment and professional advancement while demonstrating achievement to the general public, coworkers, employers and others.

IMSA
597 Haverty Court, Suite 100
Rockledge, FL 32955-3613
www.IMSAsafety.org

IMSA is the oldest established association of its kind in the world. Although it dates back to 1896, its hardworking staff and volunteers are continuously developing and updating its many programs to ensure they are current and technically correct.

The driving purpose of the organization is to keep its members and others in the profession up-to-date on proper procedures in the industry. Through our publication, *The IMSA Journal*, and our website, we keep our members informed about new products and developments.

Since its origin, IMSA has grown in size, stature, and prestige. Today, the Association has members throughout the United States, Canada, and the world. Through its continuing dedication to public safety, IMSA has gained recognition and influence with local, state, provincial and national governments, as well as other professional organizations.

Visit the IMSA website at:
www.IMSAsafety.org
or Call Toll Free: (800) 723-4672
or Fax to: (321) 806-1400
or E-mail to: info@IMSAsafety.org

IMSA
597 Haverty Court, Suite 100
Rockledge, FL 32955-3613

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IMSA®

Your Partner in PUBLIC SAFETY

IMSA/FOA Certified Fiber Optic Technician (CFOT®) Program

Dedicated to providing quality certification programs for the safe installation, operation, and maintenance of public safety systems; delivering value for members by providing the latest information and education in the industry.

IMSA/FOA Certified Fiber Optic Technician (CFOT®) Program

Program Description

Requirements for today's fiber optic networks have become more complex than ever and the demand for qualified persons who have the knowledge to install, operate, maintain and test them is growing at an unprecedented rate. Because of the complexity of today's fiber networks, proper training is a necessity for technicians to do their job effectively.

IMSA has partnered with the Fiber Optic Association, a leader in the industry, to develop the IMSA/FOA Certified Fiber Optic Technician Program. This three-day classroom and hands-on lab covers the knowledge and skills needed by fiber optic technicians involved in the design, installation or operation of fiber optic networks used in transportation, fire alarm, communications, video and municipal applications.

The program covers the following topics:

- Introduction to fiber optics
- How fiber optics is used for communications with an emphasis on metropolitan networks and intelligent highway systems
- How fiber optic links and networks work
- Components used in a fiber optic cable plant
  - Optical fiber types and applications
  - Fiber optic cables
  - Fiber optic splices
  - Fiber optic terminations
  - Cable plant installation hardware
- Testing fiber optic components and cable plants
- Designing fiber optic networks
- Installing fiber optic networks

Special Note: The procedures of specific state and local agencies may vary from those presented in these programs. It is highly recommended that each participant become familiar with the practices of their own applicable agency which has jurisdiction over his or her area of operation.

More than 50% of class time is devoted to hands on labs that include:

Hands-on cable preparation and pulling
- How cables are pulled and prepared for splicing and termination.

Hands-On Terminations
- How to install connectors on fiber optic cables using splice-on connectors
- Testing patchcord connectors made in the lab

Hands-On Splicing
- Splicing fiber optic cables with fusion and/or mechanical splices
- Installing splices in splice closures
- Testing splices with OTDR

Hands-On Fiber Optic Testing & Troubleshooting
- Proper use of fiber optic test equipment
- Testing cables, connectors, splices and network equipment
- Troubleshooting and fault location

Prerequisite:

Included in the IMSA/FOA CFOT program, students will also be required to take an online self-study program on FOA's Fiber U online training website. In this self-study program, students will be introduced to the basics of fiber optics, components, installation and testing. Studying these online beforehand allows the classroom time to be minimized and lab time maximized.

Students receive both IMSA and FOA Certifications

Every student will receive the IMSA/FOA CFOT certification which not only is an IMSA certification but also an FOA certification, a double benefit for those doing work for customers who already require FOA certification. Both certifications are on a 3 year renewal cycle and are renewable together with a one step process through IMSA.

Who should participate

This certification program is intended for practitioners that are directly or indirectly involved with the installation, maintenance or design of intelligent transportation systems, traffic control, fire alarm, communications, video, municipal, specialized protocols or any other fiber related networks or programs.

IMSA also offers certification in Traffic, Fire Alarm, Public Reporting Systems, Roadway Lighting and Signs and Pavement Markings.

Visit IMSA's website for information on certification renewal and continuing education credits.