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Advancing the Future of Public Safety

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FIBER OPTICS CERTIFICATIONS



IMSA/FOA Certified Fiber Optic Technician

Description: The IMSA/FOA Certified Fiber Optic Technician (CFOT) for ITS, Traffic Signal, and Communication Systems is primarily aimed at installers who need the basic knowledge, skills and abilities to install fiber optic outside plant networks properly. The CFOT is a 3-day hands on training program that takes the student through the basic terminology and theory of how fiber optics systems work through the splicing and testing of fiber optic systems.

Target Audience: Those who install fiber optic outside plant networks. Network owners, IT personnel, facilities managers, network designers, estimators, technicians involved in the design, installation and inspection of fiber networks may be interested.

Prerequisites: IMSA online self-study fiber optic course; some experience in the field of fiber optics and communications recommended.

Hours: 24



IMSA/FOA Certified Fiber Optic Specialist/Design

Description: This specialist application certification is for technicians involved in the planning, design, and management of fiber networks. The certification covers fiber optic network design intended for network owners, IT personnel, facilities managers, network designers, estimators or technicians involved in the design or installation of fiber networks. This course is recommended for people that are in charge of the design and inspection of the physical fiber optic networks along with development of system testing requirements. Topics covered include introduction to fiber optic design; overview of fiber optic installations, both outside plant and premises; planning a fiber optic network; choosing components; design review (component compatibilities, power budget, environmental requirements etc.); testing and documentation and estimating.

Target Audience: Those involved in the planning, design and management of installation of fiber networks.

Prerequisites: Two years of field experience with fiber optics networks, including documented experience designing fiber optic networks. (See website for additional information)

Hours: 24 (in person/online)

