

# Fiber Optics: An Expanding Technology

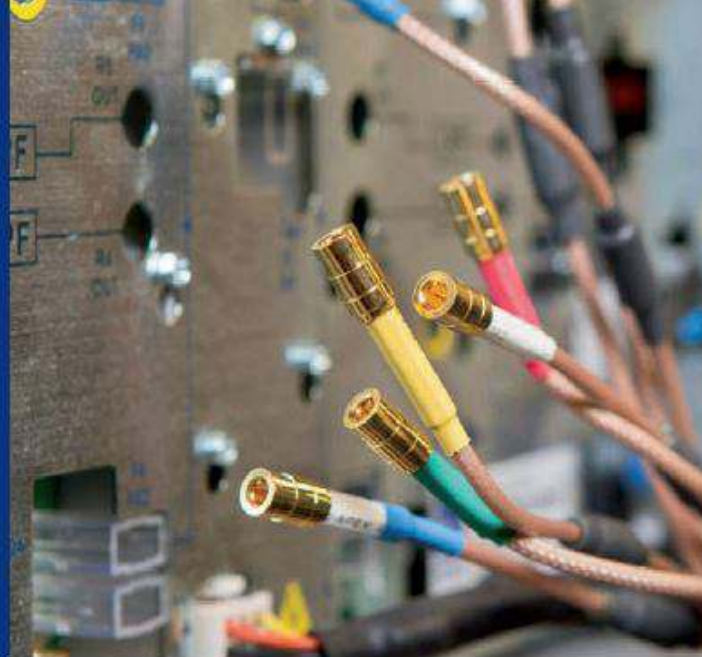
The demand for fiber optics technicians and specialists has expanded from telecommunications into many other industrial sectors, including construction and manufacturing.

"Fiber optics is the primary medium we use to communicate today. Phones (landline or wireless), the Internet and cable TV all communicate on fiber optic cables. Even when you are using your cell phone, it's not connected with a fiber optic cable, but the cell tower it's connected to probably is."  
(Fiber Optics Association)

By an industry survey, global demand for fiber optics capacity is growing at 10 per cent per year. In Canada, the availability of fiber optics systems is a significant factor in business location decisions. Municipalities and industrial developers are investing heavily in fiber optics networks.

Recently, Telus announced a \$1 billion investment over five years in fiber optic installation and upgrading in B.C. alone, focusing on the Vancouver area. In the same year, Bell Canada announced an installation plan for Toronto on a similar scale.

**Telecoms leaders such as Bell are increasingly demanding that employees and contractors bring FOA certification to all installations – the same certification that is offered through NETCOM.**



#### Contact:

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*The vision of NETCOM's parent organization, IBEW Local 213, is to be the most progressive and professional trade union in Canada. To find out more about IBEW 213's services for members and employers, write to us at [ibew213@ibew213.org](mailto:ibew213@ibew213.org).*



# Fiber Optics

## FOA-Certified Training Programs

Introductory and Advanced  
Training in Fiber Optics  
For Technicians

Construction and Customer  
Service Training for Installers  
and Technicians

Introductory Fiber Optics  
Theory and Practice for  
Managers, Engineers and  
Consultants



**NETCOM** is the telecommunications training arm of the International Brotherhood of Electrical Workers Local 213. We are based in Port Coquitlam, British Columbia.

We are the only school in B.C.'s Lower Mainland that trains Certified Fiber Optics Technicians, a designation backed by the international Fiber Optics Association (FOA) and recognized across North America.

NETCOM provides training to industry on a fee-for-service basis. We work with any company who wants to improve the quality of their products and services through crew training in fiber optics or cable installation. We also welcome inquiries from individual technicians. Please contact us to ask about scheduling you into a class.

### *Why Train?*

Workforce training and FOA certification at your company will deliver:

- Improved customer satisfaction levels.
- Potential new business in the expanding fiber optics installation market
- Access to a wider pool of certified telecommunications specialists.
- Compliance with international certification standards

NETCOM has 25 years of experience in providing training as a member benefit to members of IBEW Local 213.

# Courses at NETCOM

**FOA Certified Fiber Optics Technician (5 days).** The North American standard: an introduction to fiber optics for installers, or for managers and consultants who need to plan installations. Combines fiber optic theory with hands-on exposure to installation issues, working with fusion splicers, reflectometers, cleavers, and single mode & multi-mode fiber. Completion of the CFOT program shows career motivation and an interest in the safe and effective installation of fiber optic systems. **\$1430.00\***

**FOA Certified Fiber Optics Specialist/ Outside Plant (5 days).** Requires CFOT. Introduces the student to industry standards governing the installation, testing, and troubleshooting of outside plant fiber optics cable. **\$1430.00\***

**FOA Certified Premise Cabling Technician (5 days).** Students will learn the basics of premise wiring including Cat 6, telephone, coax, and fiber optics. **\$1430.00\***

**FOA Certified Fiber Optics Specialist/Inside Home (3 days).** Requires CFOT. Students will learn the component's and test procedures for connecting fiber to the home. **\$900.00\***

**Broadband Network Construction for Cable Installers (2 days).** This NETCOM-certified course covers the fundamentals of constructing Hybrid-Fiber Coax broadband network components such as amplifiers, splitters, couplers, connectors, and taps. **\$900.00\***



**Customer Service Excellence for Technicians (1 day).** Gives trainees the tools, skills, knowledge and processes to positively engage customers and deliver exceptional service, and builds the confidence of technicians in dealing with difficult customers. **\$350.00\***

**Network Fundamentals (2 days).** Network Fundamentals will explain how computers and smart devices communicate with one another, starting with the basic building blocks of networks. This course can be offered Online or In Class. **\$500.00\***

To arrange training, contact [info@netcomtraining.org](mailto:info@netcomtraining.org)

*\* The per-trainee fees shown above cover the cost of instruction, textbooks and classroom materials. IBEW members pay a reduced fee. GST will be added to the fee amount. Training is open to groups and individuals. NETCOM sets a minimum of six trainees per course.*