

# INFRASTRUCTURE AND COMPUTING TECHNOLOGY

Diploma



## The Program

The program provides training so students become certified technologists in the fields of local-area and wide-area voice, video and integrated data communications. The program stresses messaging principles and provides insight into wired, wireless and fibre-optic signal propagation.

Infrastructure and Computing technologists are trained to design, configure and support telecommunications infrastructure. They are employed as network support specialists, network operations and telecommunications analysts, communications integrators, network administrators and consultants.

National Accreditation: The Infrastructure and Computing Technology program is nationally accredited by the Canadian Technology Accreditation Board (CTAB) with recognized major competency areas of Data Communications Systems, Internet and Intranet Technologies, Computer Network Design and Configuration, Network Management and Administration, Telephony Systems and Applied Research. While attending Okanagan College, students may register with the Applied Science Technologists and Technicians of BC (ASTTBC).

## What are the Benefits to Employers?

- An opportunity to evaluate employees without an obligation to permanent employment.
- A proven cost-effective method of meeting human resource needs.
- Co-op students and/or graduates are available on a year-round basis:  
January-April, May-August, September-December.
- Access to a pool of motivated, temporary employees for special projects, peak periods, vacation relief, coverage without costly advertising.

## How do you hire Okanagan College Co-op Students?

E-mail: [coop@okanagan.bc.ca](mailto:coop@okanagan.bc.ca)  
Website: [www.okanagan.bc.ca/coop](http://www.okanagan.bc.ca/coop)  
Fax: 250-862-5600

Okanagan College  
1000 KLO Road, Kelowna BC V1Y 4X8  
Phone: 250-862-5412

Canadian Association for Co-operative Education (CAFCE)  
All department staff are members of CAFCE.



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## Recommended Co-op Schedule for the Network and Telecommunications Engineering Technology Program

September - December	January – April	May - August
Academic Term 1	Academic Term 2	Extended Semester
Academic Term 3	Work Term 1	Work Term 2
Work Term 3	Academic Term 4	<b>Graduates are available</b>

Employers are encouraged to recruit during the four-month period prior to a work term(s) and/or graduation. Additional work terms can be incorporated at employer's or student's request.

### The Diploma in Infrastructure and Computing Technology has 21 courses and three electives.

- Computer Components and Peripherals
- Computer Programming I
- Voice and Data Communications Infrastructure
- Networks and Telecommunications I
- Technical Communication for Information Technology
- Math for Network & Telecom Engineering Tech
- Network Applications of Analog and Digital Systems
- Local Area Network Management
- Routing and Switching I
- Analysis and Reporting for Information Technology
- Scripting for Network and System Administrators
- Topics in Internetworking
- Enterprise Communications
- Virtualization for Enterprise System Administrators
- Cybersecurity Analysis
- Routing and Switching II
- Linux Server Management
- Internetwork Security I
- Carrier Telecommunications
- Internet of Things
- Network Project

