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). Graduates are eligible for registration as an Applied Science Technologist Trainee (AScT Trainee) after two years of related work experience under the supervision of an accredited AScT professional.

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
Website: www.okanagan.bc.ca/coop
Fax: 250-862-5600

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

Co-op department staff are registered with Cooperative Education and Work Integrated Learning (CEWIL)

INFRASTRUCTURE AND COMPUTING TECHNOLOGY

Diploma

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	**Graduates are available**

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.

Semester 1

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

Semester 2

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
One Elective (3 Credits)

Semester 3

Enterprise Communications
Virtualization for Enterprise System Administrators
Cybersecurity Analysis
Routing and Switching II
Linux Server Management
One Elective (3 Credits)

Semester 4

Internetwork Security I
Carrier Telecommunications
Internet of Things
Network Project
One Elective (3 credits)

okanagan college