

COMMUNICATION TECHNICIAN

Credential Issued:

ITA Certificate of Qualification (Communication Technician)

(Persons completing a formal apprenticeship also receive a Certificate of Apprenticeship)

Occupational Description:

A "Communication Technician" is a person who installs, maintains, removes and / or repairs wiring networks, consumer communication equipment, switchboards and specialized equipment such as intercoms, fax machines, computer networks and electronic key systems. They also maintain and repair various types of microwave, television, toll and switching equipment used to provide local or long distance service.

To perform these functions, they must be:

- competent in the use of test instruments and understand their capabilities and limitations.
- familiar with different circuit configurations and components
- capable of using test procedures to locate faults and isolate defective components

Program Duration & Structure:

The program will be delivered in a variety of formats combining in-school and work-based training, all designed to meet the competency standards and profile defined by the industry, and will generally take 4 years to complete. The program includes:

- In-school: 32 weeks* (approximately 8 weeks per level)
- Work-based: 6,000 hours

*The in-school / technical training requirement is typically met through block release training delivered by an ITA approved training provider. It can also be met through approved alternative training models (e.g. distance education, part-time) and / or level challenge exam where these options are available.

Program Completion Requirements:

Completion of 6,000 workplace hours:

- Sponsor attestation

Completion of technical training: (Requirement can be met through challenging a level exam where available)

- Level 1 - practical assessments and written level examination
- Level 2 - practical assessments and written level examination
- Level 3 - practical assessments and written level examination
- Level 4 - practical assessments and written level examination

Program Challenge Requirements:

- 9,000 documented hours of directly related work experience required to challenge the BC Certificate of Qualification examination.

Program Pre-requisites:

- Recommended Education - Grade 12 or equivalent including Mathematics and Physics

Assessment Methods:

- In-school assessments (practical and written exams)
- Work-based assessments (practical)
- Final Assessment (BC Certificate of Qualification examination)

Linkages to Other Credentials:

n/a

Prior Learning Assessment:

n/a

Program Standards Documentation:

- Program Outline

Industry Program Standards Mechanism:

- BC Telecommunication Industry Training Group

Program Providers:

Institution-based component of the program is delivered by public post-secondary institutions, private training institutions, and secondary schools that have been approved by ITA.

Technical Training Content:**Level 1**

Orientation and Safety Awareness
Basic Electricity
Trade Mathematics
Wiring I
Telephony
LAN I

Level 3

Access Technology
Multiplexing
Noise Mitigation
DC Power Plants
LAN III

Level 2

Electronics
Wiring II
Logic Circuits
Basic Transmission
Fibre Optics
Fibre Optics Fundamentals

Level 4

Voice Networks
LAN IV
VOIP
Video
Transmission Systems
Wireless Systems

Approved: Jan 2007

Updated: