Certificate IV in Telecommunications Engineering Technology

2018
Vocational Education

This qualification is suited to an advanced technician (technical officer), team leader or supervisor who requires a wider range of telecommunication skills.

You will learn to install and maintain:

- enterprise networks in emerging and converging technologies
- optical and wireless equipment for high-speed broadband network infrastructure
- internet protocol (IP) based network telecommunications equipment
- IP based networks in home networks and small and medium enterprises
- telecommunications, data cabling and cabling products in line with the specifications of the access network owner
- telecommunications access network cabling and infrastructure, systems and customer equipment.

The qualification also enables technicians to assess installation requirements of converging voice, video and data IP networks, plan and perform installations and test installed equipment and fault find. It may also involve a degree of autonomy and may include limited supervision of others.

Professional recognition

Internationally recognised Cisco certified network associates industry certification is integrated into this program.

Career outlook

Graduates become technical officers or technicians specialising in the telecommunications industry.

As a telecommunications technician, you'll likely work in the operations departments of a telecommunications carrier.

The growing use of telecommunications infrastructure in large business enterprises means there's increasing work available in providing system administration and support interconnecting with public telecommunications infrastructure.

Technicians are sometimes required to maintain complex telecommunications equipment, systems and facilities at a station doing maintenance, testing, alignment, modification and operation of electronic equipment.

Program snapshot

Program code: C4387
National code: ITC41215

Duration

Full-time: 1 year
Part-time: 2-3 years

Location

City campus

Selection mode

Direct application

How to apply

Applicants must apply directly to the School of Vocational Engineering, Health and Sciences via the expression of interest form.

Fees

For local fee information:
rmit.edu.au/programs/fees

Contact

Info Corner
330 Swanston Street
(cnr La Trobe Street)
Melbourne VIC 3000
Tel. +61 3 9925 2260

rmit.edu.au/programs/c4387

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Program structure

The program emphasises all aspects of local area networks (LAN) and wide area networks (WAN), and focuses on solving complex copper and fibre network faults. It comprises eight core and eight specialist (elective) units in the major study areas.

Create technical documentation (ICTICT408)	Locate, diagnose and rectify faults (ICTTEN410)	Manage a small team (BSBSMB407)	Install and configure internet protocol TV in a home network (ICTTEN415)
Manage the delivery of network infrastructure (ICTPMG403)	Repair telecommunication system faults (ICTTEN414)	Address customer needs (BSBCUS402)	Install, configure and test an internet protocol network (ICTTEN416)
Use electrical skills in telecommunications work (ICTTEN201)	Follow work health and safety and environmental policy and procedures (ICTWHS204)	Use advanced optical test equipment (ICTOPN402)	Install, configure and test a router (ICTTEN417)
Use hand and power tools (ICTTEN202)	Work effectively in telecommunications technology (ICTWOR201)	Effect changes to existing customer premises equipment systems and equipment (ICTTEN406)	Test cable bearers (ICTCBL404)

Core Unit
- Select all 8

Group A Elective Units
- Select 2

Group B Elective Units
- Select all 5

Group C Elective Units
- Select 1

Please note: This is an example of the program structure. Courses may change and may not be available each semester.

Entrance requirements

Successful completion of an Australian Year 12 senior secondary certificate of education or equivalent.

This is a gender under represented program and awards SEAS bonus points to female applicants. To be eligible you must submit a VTAC SEAS application and select category 1.

Selection Tasks

Applicants who do not have a Year 12 qualification or relevant work experience and/or employment in the telecommunications industry must contact the School of Vocational Engineering, Health and Sciences to do a numeracy and literacy test.

Non-Year 12 applicants may submit additional information if they would like it to be considered. For semester 1 intake, this can be completed through the VTAC Personal Statement online. For semester 2 intake, this can be completed through the personal statement in the Apply Direct application.