



# ICT50418 Diploma of Information Technology Networking

National ID: ICT50418 | State ID: BEH6

## About this course

### Embark on the lucrative industry of networking

Take a step towards an industry with high job prospects! Gain in-demand networking skills and acquire valuable experience in current industry standards with the Diploma of Information Technology Networking.

Gain these skills:

- manage complex **networks**
- implement **Cloud technology** environments
- apply advanced **Cisco routing and switching**
- implement **Active directories**
- monitor and implement **system security**
- administer **authentication and encryption technologies**

This course has embedded studies in **Cisco**, **Microsoft Server** and **VMware**. South Metro TAFE has been a Cisco Academy for over fifteen years. With advanced facilities, up-to-date equipment and fully trained instructors, you will learn Networking in an industry-standard setting.

Completion of the Diploma of Information Technology Networking opens up a range of further study options including the 22445VIC Advanced Diploma of Cyber Security, and it may produce advanced standing towards a university

degree.

Full-time attendance is equivalent to **three** days a week.

### Is this course right for you?

To be successful in this course it is recommended that you complete the Certificate IV in Information Technology Networking (ICT40418) or possess the following skills before you commence; Able to: install and configure servers and virtual machines, subnet, configure switches and routers, plan and install small business networks. Still not sure if this course is right for you? Call us on 1800 001 001 to speak with a member of the Information Technology training area who will be able to advise you on the best study pathway to meet your career goals.

### Want to study this course part time?

This course offers part time study options when remaining places are available following full time enrolments. To receive a text message the day before part time enrolment days on campus with a check on remaining places, visit our [Register to study part time](#) webform.

Completion of the Diploma of Information Technology Networking opens up a range of further study options including the **22445VIC Advanced Diploma of Cyber Security**, and it may produce advanced standing towards a university degree.

The **Centre for IT Excellence** (CITE) provides state of the art, industry relevant training in information technology, creative media and electronics. We provide pathways from foundation studies to advanced diploma with specialist training in cyber security, systems and programming.

### Fantastic news!

Our state-of-the-art Training Cyber Security Operations Centre (TCSOC) is now officially open. This new facility provides a secure training environment designed to simulate realistic cyber-attacks relating to attack, defence and monitoring. The TCSOC provides a multi-campus centre based in Murdoch with 'nodes' at Thornlie and Rockingham campuses in order for all IT students to experience this leading edge training.

### See our IT Training Facebook page!

[@ITtrainingSMTAFE](#)

## Overview

### Semester 2, 2020

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## Rockingham - Full Time-Classroom

 Duration: **1 Semester**

 When: **Semester 2, 2020**

 How: **Full Time**

## Units

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### Core

National ID	Unit Title
ICTICT418	Contribute to copyright, ethics and privacy in an ICT environment
ICTICT517	Match ICT needs with the strategic direction of the organisation
ICTNWK529	Install and manage complex ICT networks
ICTSUS501	Implement server virtualisation for a sustainable ICT system
ICTTEN611	Produce an ICT network architecture design

### Elective

National ID	Unit Title
ICTICT501	Research and review hardware technology options for organisations
ICTICT509	Gather data to identify business requirements
ICTICT514	Identify and manage the implementation of current industry specific technologies
ICTNWK502	Implement secure encryption technologies
ICTNWK503	Install and maintain valid authentication processes
ICTNWK505	Design, build and test a network server

National ID	Unit Title
ICTNWK508	Install, operate and troubleshoot medium enterprise switches
ICTNWK509	Design and implement a security perimeter for ICT networks
ICTNWK511	Manage network security
ICTNWK517	Determine best-fit topology for a wide area network
ICTNWK533	Configure and manage advanced virtual computing environments

## Entrance requirements

School Leaver	Non-School Leaver	AQF
Completion of WACE General or ATAR (Minimum C Grades) or equivalent	Completion of WACE General or ATAR or equivalent (minimum C Grades)	Certificate III

## Study pathway

 [Certificate IV in Information Technology Networking](#)

 [Advanced Diploma of Network Security](#)

South Metropolitan TAFE has many further study opportunities available.

## Plan your study pathway in information technology

[Download the study pathway guide](#)

## Job opportunities

 [Network Administrator Network Manager](#)

Please note this list should be used as a guide only as job titles and qualification requirements may vary between organisations.

SM TAFE actively promotes the employment availability of course graduates to key industry partners and organisations. We also seek expressions of interest from organisations for the placement of our students into work experience. We endeavour to assist students into a career pathway, but please be aware that neither employment nor work experience placement is guaranteed by us.

To access free career planning and job search assistance, visit the [Jobs and Skills Centres](#) page.

## Fees and charges

### Indicative fees and charges

[2020 general admission fees list](#)

[2020 apprenticeship/traineeship fees list](#)

Fees and charges published on our website are indicative. Your fees will depend on your eligibility for government funding or a concession rate, and the units you choose to study or seek to be recognised under Recognition of Prior Learning (RPL). Our Indicative fees lists show fees that are:

- Based on the full possible study plan of units, including the recommended electives
- Based on full time study in 2019
- Charged at the government funded rate for over 18 years of age students
- Based on unit electives designed to meet localised industry demand for skills
- Made up of course fees and resource fees, or RPL fees. Course fees are the cost of your tuition, while resource fees pay for consumables provided to you to aid your study (such as printing and paper). You may also be required to purchase text books or equipment that are not part of our tuition or resource fees.

Fees may vary between students and between educational providers. Other charges may apply.

Visit our [Fees and payment options](#) page for more information.

Call 1800 001 001 to get a more accurate fee indication based on your eligibility and study plan before applying.

### VET Student Loans

Selected courses are VET Student Loan eligible courses.

A VET Student Loan creates a debt that must be repaid to the Commonwealth and is only available to students who are eligible.

To find out if you are eligible or to see the list of eligible courses visit our [Student Loans](#) page.

## International students

Selected courses are available to International students for full time study only.

Fees, charges, available locations, applications and enrolment procedures for International students are different to those for students who have Australian permanent residency.

For more information or to find a course visit the [TAFE International WA](#) website.

## Apprenticeships and traineeships

Fees for apprenticeships and traineeships are charged at a rate per nominal hour of study.

This means that your fees will vary depending on the units you study as part of your training plan.

Apprentices and trainees are liable to pay for their own fees but some industrial agreements (awards) dictate that employers are required to reimburse their apprentice upon receipt of satisfactory progress. An employer may also opt to pay on behalf of the apprentice or trainee.

For more information visit our [Apprenticeships and traineeships](#) page.

## Recognition of Prior Learning

Recognition of Prior Learning (RPL) enrolments are charged at \$3.25 per nominal hour of study.

No concession fees apply to RPL enrolments. Refer to the institutional or apprenticeship/traineeship fee lists for an indicative RPL course fee.

**Please note, fees are subject to change.**