ICT50418 Diploma of Information Technology Networking

National ID: ICT50418 | State ID: BEH6

About this course

Gain advanced skills in networking and join this lucrative sector of the IT industry

When you complete the Diploma of Information Technology Networking you will have all the skills needed to be successful in this in-demand industry. This course includes Cisco devices, Microsoft Server operating system, Linux operating system and VMware. All current industry standards are covered and you'll gain real-world experience conducting help-desk support as part of your studies on our dedicated training network.

East Perth and Joondalup campuses have dedicated Training Networks and are registered as both Cisco Academy and Redhat Academy providers. Joondalup also offers Microsoft Imagine Academy as part of your studies.

Gain these skills

- Manage complex networks
- Configure virtual computing environments
- Apply advanced switching and routing skills
- Implement active directories
- Administer Microsoft 365 and Azure systems
- Manage data/cloud storage systems

Is this course right for me?

I have the following attributes:

- Good communication skills
- Logical approach to problem solving
- A high level of patience
- An interest in electronics and computers
New students who have not studied the course that precedes this qualification should contact the area to ensure they apply for the correct level of study.

Details

During your course of study, NMTAFE may use a variety of learning practices to ensure you get the best outcome for your learning journey. This may include online learning, face-to-face classroom, laboratory/workshop delivery, work placement or a combination of these, depending on which is most appropriate.

Semester 1, 2020

East Perth - On Campus

- Duration: 2 Semester/s
- When: Semester 1, 2020
- How: On campus

Units

Core

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

<table>
<thead>
<tr>
<th>National ID</th>
<th>Unit Title</th>
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<tbody>
<tr>
<td>ICTNWK502</td>
<td>Implement secure encryption technologies</td>
</tr>
<tr>
<td>ICTNWK507</td>
<td>Install, operate and troubleshoot medium enterprise routers</td>
</tr>
<tr>
<td>ICTNWK509</td>
<td>Design and implement a security perimeter for ICT networks</td>
</tr>
</tbody>
</table>
National ID | Unit Title
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ICTNWK511 | Manage network security
ICTNWK524 | Install and configure network access storage devices
ICTNWK527 | Manage an enterprise virtual computing environment
ICTNWK531 | Configure an internet gateway
ICTNWK533 | Configure and manage advanced virtual computing environments
ICTNWK617 | Configure and manage a storage area network
ICTPRG418 | Apply intermediate programming skills in another language
ICTTEN422 | Configure and troubleshoot advanced network switching

**Entrance requirements**

<table>
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<tr>
<th>School Leaver</th>
<th>Non-School Leaver</th>
<th>AQF</th>
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</thead>
<tbody>
<tr>
<td>Completion of WACE General or ATAR (Minimum C Grades) or equivalent</td>
<td>Completion of WACE General or ATAR or equivalent (minimum C Grades)</td>
<td>Certificate III</td>
</tr>
</tbody>
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**Further study**

Enhance your skills in this area with the following study options. Or you could continue to study at university and possibly gain advanced standing. Contact your chosen university for information.

**Job opportunities**

- Computer Network Engineer | Computer Systems Integrator

Other job titles may include:

- Cloud Engineer
- Integration Analyst
- Systems Engineer
- Solutions Architect
- Independent ICT specialist (Internetworking, security and e-business integration)

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

Other costs for consideration:

- Recommended - portable self-powered USB 3.2 gen1 / gen2 SSD with at least 500GB storage

Typical timetable:

- 4 days per week plus Student Lab Time

Fees and charges

Local full time students

Course fees are made up of two components, tuition fees and resource fees.

**Tuition fees** are determined by multiplying the course fee rate by the nominal hours, which is the number of hours in which an average student could be expected to complete each unit. They are not the hours of training or instruction.

**Resource fees** are charges for material that are essential to a course or unit, and are purchased by NMT to be used by students during the course.

Fees may vary depending on the units you are enrolled in so an approximate amount has been shown. You will be given the exact amount of your fees at enrolment. Part time student fees will vary depending on the number of units you are enrolled in.

Please note, you may also need to buy textbooks or equipment for your course.

International Students

Check [TAFE International WA](https://www.tafeinternational.wa.edu.au) to confirm this course is available to international students. You will pay your tuition fees to TIWA.

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