22445VIC Advanced Diploma of Cyber Security

National ID: 22445VIC | State ID: BCZ09

About this course

Get qualified to work in this booming industry

The Australian Government's **Cyber Security Strategy** states that Australia, along with many other nations is facing a skills shortage in the field of cyber security and these skills are essential in our connected technology-enabled world. Current predictions estimate that we will see a **world wide deficit of 1.5 million information security professionals by 2020** while employment prospects for **cyber security and related jobs in Australia will grow by 21% over the next 5 years** according to Labour Market employment projections.

Both state and federal governments have made a commitment to ensure Australians have the opportunity to equip themselves with cyber security skills and North Metropolitan TAFE is a premier **Cyber Security training provider at the paraprofessional level**.

As a cyber security graduate, you could be a member of a team of security practitioners on the **front line protecting the integrity of your company's security perimeter and IT network**. As an integral team member, you will work to develop and **maintain the company's cyber security policies and overall defence strategy**, and to rigorously test and work to **protect the company's information assets**.

Gain these skills

* Monitor the risks of cyber security attacks
* Prepare and implement appropriate risk management plans
* Prepare and implement appropriate mitigation solutions
* Use a range of tools and procedures to identify and block cyber security threats
* Protect an organisation from insider security breaches
* Develop and implement risk mitigation solutions for cloud systems
* Implement privacy and compliance policies in accordance with Australian Cyber Law

Is this course right for me?

I have the following attributes:

- Able to apply analytical and problem solving skills
- Good written and oral communication skills
- Able to work both independently and as part of a team

Details

Semester 1, 2020

Joondalup (Kendrew Crescent) - On Campus

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

Units

Core

National ID	Unit Title
BSBWOR502	Lead and manage team effectiveness
ICTNWK525	Configure an enterprise virtual computing environment
VU22240	Communicate cyber security incidents within the organisation
VU22241	Interpret and utilise key security frameworks, policies and procedures for an organisation
VU22242	Assess and secure cloud services
VU22243	Develop software skills for the cyber security practitioner
VU22244	Implement best practices for identity management
VU22245	Plan and implement a cyber security project
VU22246	Evaluate an organisation's compliance with relevant cyber security standards and law
VU22254	Undertake advanced penetration testing for web site vulnerabilities

Elective

National ID	Unit Title
ICTNWK607	Design and implement wireless network security
ICTSAS501	Develop, implement and evaluate an incident response plan
VU22250	Respond to cyber security incidents
VU22253	Undertake penetration testing of the security infrastructure for an organisation
VU22255	Evaluate threats and vulnerabilities of Internet of Things (IoT) devices
VU22256	Protect critical infrastructure for an organisation
VU22257	Configure security devices for an organisation

Entrance requirements

You must have completed 22334VIC Certificate IV in Cyber Security or equivalent; or have at least two years of comprehensive and relevant workplace experience.

Further study

On successfully completion of the Advanced Diploma of Cyber Security you may wish to undertake further study in one the following univerity pathways:

- Bachelor of Science (Cyber Security) at Edith Cowan University
- Other tertiary level Bachelor courses

Please contact your preferred university for more information.

Job opportunities

ICT Security Specialist

Other job titles may include:

- Computer Technical Support Security
- Information Security
- Penetration Tester
- Network Audit Officer
- Security Systems Help Desk Support
- Website/Network Security Officer
- Network Operations Centre team Member
- Cyber Security Operations Centre Officer

Important information

Typical timetable

This hands on course is run over 2 semesters for approximately 25 hours per week with classes and laboratories scheduled between 8:30am - 5:30pm, Monday to Friday.
Additional access to laboratories is also available during these times for students to further develop their skills.

Fees and charges

View our **Indicative Fees list**

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 to confirm this course is available to international students. You will pay your tuition fees to TIWA.

Please note, fees are subject to change.