



# **BACHELOR OF INFORMATION TECHNOLOGY (CYBER AND NETWORK SECURITY)**

## **DIPLOMA OF INFORMATION TECHNOLOGY**

**UNDERGRADUATE CERTIFICATE IN NETWORK SECURITY**

**UNDERGRADUATE CERTIFICATE IN NETWORK ENGINEERING**

**EXPLORE. ENQUIRE. APPLY.**  
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**TAFE** NSW

# BACHELOR OF INFORMATION TECHNOLOGY (CYBER & NETWORK SECURITY)

Course Code: HE20524

Learn how to protect the security of data and information and develop solutions for the management and protection against the threat of cybercrime.

Cybercrime is a growing threat to Australian business, consumers and government. Every day we rely on digital systems and networks to communicate, transact and to store sensitive data. This has created an unprecedented demand for professionals who can secure and monitor IT systems and protect personal and organisational privacy in cyberspace.

This three-year degree will prepare you for employment as a network security specialist in this fast-growing and dynamic industry. Developed in close consultation with industry, this degree has a strong applied focus, where you will learn through projects with the help of teachers who are industry leaders in the field.

The Bachelor of Information Technology (Cyber & Network Security) has been developed in close consultation with industry and prepares students to sit for recognised industry certifications (such as Cisco CCNA and CCNP).

On successful completion of this course you will be qualified to work in a range of network security, cyber security and data security management roles.

## COURSE REQUIREMENTS

The Bachelor of Information Technology (Cyber & Network Security) requires you to complete 24 subjects and a total of 240 credit points.

# DIPLOMA OF INFORMATION TECHNOLOGY

Course Code: HE20526

The Diploma of Information Technology is also available to study, requiring you to complete eight subjects and 80 credit points.

The diploma course is comprised of all the first year subjects studied in the degree, and can be completed in one year of full time study. Graduates of the diploma course will be able to apply for entry level IT positions. Alternatively they can continue their studies with direct entry into second year of the bachelor course.

## STUDY MODE AND DURATION

Three years full time or part time equivalent

## COURSE DELIVERY LOCATIONS

### Bachelor:

- TAFE NSW Meadowbank
- TAFE NSW Liverpool

### Diploma:

- TAFE NSW Meadowbank

## ENTRY REQUIREMENTS

All applicants will be invited to a pre-admission interview prior to being offered a place in this course. All applicants will also have to submit a 500 word essay outlining their motivation to study and work in the field.

**Domestic applicants** must have completed:

- the NSW HSC or equivalent with HSC level maths, or
- a Tertiary Preparation Certificate, or
- a Certificate IV or higher qualification

If you do not have HSC mathematics you may be required to undertake a bridging program or preparatory mathematics course. If you do not meet the entry requirements, you can apply under special admission provisions (such as mature age or disadvantage). You will be required to submit documentation to support your application for special admission.

**International applicants** applying for admission, must have an overall IELTS score of 6.5 (with no band less than 6.0). International applicants applying for admission into the diploma must have an overall IELTS score of 5.5 (with no band less than 5.0). The IELTS test must have been completed in the last two years.

## TUITION FEES

### Domestic students:

\$1,310 per 10 credit point subject  
\$10,480 indicative diploma course fee  
\$31,440 indicative full bachelor course fee

### International students - Bachelor:

\$2,540 per 10 credit point subject  
\$60,960 indicative full bachelor course fee

### International students - Diploma:

\$2,950 per 10 credit point subject  
\$23,600 indicative full diploma course fee

Diploma students receive an additional 5 hours per week of tuition support



## COURSE STRUCTURE

This structure is the typical study pattern for a full time student. Availability of electives and the study pattern is determined by the location. All subjects are worth 10 credit points (CP), 240 credit points are required to complete this course. The Diploma of Information Technology requires the completion of all Year 1 subjects.

### YEAR 1 - LEVEL 100: FOUNDATION SKILLS

SEMESTER 1	
ITICT102A	Introduction to Programming
ITICT103A	Internetworking 1
ITICT108A	Introduction to Cyber Security
ITPRD102A	Communication for the IT Professional
SEMESTER 2	
ITICT104A	Internetworking 2
ITICT107A	Introduction to Databases
ITICT109A	Virtualisation
ITPRD103A	Professional Issues in IT

### YEAR 2 - LEVEL 200: DEVELOPMENT

SEMESTER 1	
ITICT208A	Advanced Internetworking
ITNET203A	Network Security
ITNET204A	Introduction to Cryptography
ITPRD206A	Critical Thinking for the IT Professional
SEMESTER 2	
ITNET202A	Enterprise Security
ITNET205A	Network Automation
ITPRD205A	Project Management
<b>Plus one level 200 elective</b>	

### YEAR 3 - LEVEL 300: SYNTHESIS

SEMESTER 1	
ITNET302A	Advanced Network Security 1
ITNET310A	Software Defined and Programmable Networks
ITNET311A	Major Group Project
<b>Plus one level 300 elective</b>	
SEMESTER 2	
ITICT302A	Secure Programming
ITNET312A	Major Individual Project
ITNET313A	Cloud Computing
<b>Plus one level 300 elective</b>	

### ELECTIVE BANK

LEVEL 200	
ITPRD203A	Knowledge Management
ITPRD204A	Future eTrends and Issues
ITICT202A	Wireless Networks
ITICT206A	Machine Learning
ITICT207A	Fundamentals of Computer Science
ITDAT202A	Data Infrastructure Engineering
LEVEL 300	
ITICT303A	Distributed Computing
ITNET301A	Mobile Computing and Security
ITNET305A	Emerging Technologies Security
ITNET307A	National Data Infrastructure Security
ITNET309A	Computer and Network Forensics
ITDAT301A	Big Data and Advanced Data Concepts

### TERMS AND CONDITIONS

This document is intended as a general guide only. Information in this document is current as of September 2021. Prospective students should contact TAFE NSW for more information, and to confirm admission requirements and availability of courses. Note that tuition fees are reviewed annually and are subject to change. For current fee information visit: [tafensw.edu.au/degrees/applying-and-fees/fees-and-payment](https://www.tafensw.edu.au/degrees/applying-and-fees/fees-and-payment). Fees payable by the student are the tuition fees valid for that semester, and not the tuition fees that were in place the first time the student enrolled. Additional fees may be payable for equipment and resources.

# UNDERGRADUATE CERTIFICATE IN NETWORK SECURITY

Course Code: HE20547

This short introductory course covering programming, internetworking, cyber security and cryptography is designed for people with an interest in securing IT networks, but who don't wish to enrol in the full bachelor's degree. On completion of the short course, if you do decide to continue your studies in the Bachelor of Information Technology (Cyber and Network Security), you will get credit for the four subjects completed.

For more information go to: [tafensw.edu.au/degrees/higher-education-short-courses](https://tafensw.edu.au/degrees/higher-education-short-courses)

# UNDERGRADUATE CERTIFICATE IN NETWORK ENGINEERING

Course Code: HE20548

This short introductory course covering fundamentals of network engineering and evaluating business requirements is designed for people with an interest in planning network solutions for business, but who don't wish to enrol in the full bachelor's degree. On completion of the short course, if you do decide to continue your studies in the Bachelor of Information Technology (Cyber and Network Security), you will get credit for the four subjects completed.

For more information go to: [tafensw.edu.au/degrees/higher-education-short-courses](https://tafensw.edu.au/degrees/higher-education-short-courses)