



## Diploma of Networking Technology

<b>CRICOS Course Code</b>	0101639
<b>Course Id</b>	CRS1400452
<b>Australian Qualifications Framework (AQF)</b>	Upon successful completion, the award conferred is recognised in the AQF at Level 5
<b>Full Time</b>	1 year (2 Semesters)
<b>Part Time</b>	2 years (Domestic students only – see below) (4 Semesters)
<b>Units</b>	8
<b>Credit points</b>	80 credit points
<b>Campus Location</b>	Level 16, 233 Castlereagh Street, Sydney 2000
<b>English Language Requirements</b>	IELTS 6.0 overall with no band less than 6.0
<b>Delivery mode</b>	Blended: on-campus face-to-face with some online content and activities
<b>Outcome</b>	Diploma of Networking Technology
<b>Pathways post-completion</b>	This Degree upon successful completion will meet AQF requirements of an AQF level 5 that would allow a pathway to further undergraduate studies.
<b>Financing Options</b>	This course is offered as a Fee for service course and is available to both Domestic and International Students.
<b>Intakes</b>	PIA accepts intakes each semester into this Degree

### Course Overview

In the diploma of networking technology course, students are able to learn the fundamentals in computer and networking. Moreover, the technical discussion followed by practical exercises that students gain in this course enables the students to perform end-user support, design wire and wireless network at enterprise level, troubleshoot the networks, technically understand how networks operate, and gain other theoretical and practical knowledge in this field.

### Career Outcomes

Computer networking is the fastest-growing major and the demand for skilful employees is increasing rapidly. Installing, operating, maintaining, upgrading, and fixing computers and network equipment within LANs and WANs, besides establishing, and maintaining the internet, intranets, and extranets of an organization are the key skills that students can bring from theory to practice. Students who earn a diploma in computer networking can seek employment in various technology-oriented positions, such as a network systems analyst or administrator, IT support technician, or network technical specialist.

### Course Learning Outcomes

<b>CLO1</b>	A demonstrate your understanding of a body of knowledge including recent developments in the area of networking and telecommunications networks
<b>CLO2</b>	Demonstrate a developed understanding of the principles of networks and telecommunications engineering



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<b>CLO 3</b>	Demonstrate an understanding of the principles underlying the planning and management of networks and telecommunications
<b>CLO 4</b>	Apply mathematical and computational skills necessary for the solution of theoretical and practical problems
<b>CLO 5</b>	Demonstrate creativity and initiative in application of analytical, problem-solving and design skills to networks and telecommunications
<b>CLO 6</b>	To successfully work independently with personal accountability in solving problems in networks and telecommunications
<b>CLO 7</b>	Demonstrate high-level oral and written communication skills
<b>CLO 8</b>	To apply your knowledge to design, investigate and solve specific problems in the area of networking and telecommunications and their applications through directed studies or projects in the form of internships with industry or research providers.

### Graduate attributes

<b>GA 1</b>	Communicate effectively in a diverse range of professional or community context
<b>GA 2</b>	Complete work tasks and assignments independently or as an effective member of multidisciplinary teams
<b>GA 3</b>	Engage in and value life-long learning leading to the enhancement of professional knowledge and skills
<b>GA 4</b>	Are information and technology literate
<b>GA 5</b>	Respond appropriately to a changing workforces, cultures and values reflecting a global work environment
<b>GA 6</b>	Demonstrate critical thinking, problem solving and decision-making abilities essential to contributing soundly to the resolution of issues confronting organisations
<b>GA 7</b>	Facilitate intellectual curiosity
<b>GA 8</b>	Act in an ethical manner in all aspects of professional life.

### Accreditation

The Diploma of Networking Technology is accredited by the [Tertiary Education Quality and Standards Agency](#).



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## Course Structure

UNIT CODE		UNIT NAME	CORE / ELECTIVE	PRE-REQUISITES
<b>YEAR 1 (Semester 1 or 2)</b>				
1	ICT104	Fundamentals of computer system hardware and software	Core	None
1	NTW100	Introduction to computer networking	Core	None
1	ICT101	Mathematics for computing	Core	NSW HSC Band 4 for English and Band 3 in Advanced Mathematics or Band 4 in Standard 2 Mathematics or equivalent
1	GBU100	Professional Business Communications	Core	None
2	NTW101	Principles of network administration	Core	NTW100
2	ICT102	Foundations of programming	Core	None
2	ICT103	Introduction to telecommunications systems	Core	None
2	GBU200	Business ethics and corporate social responsibility	Core	None

## Exit Outcomes

If you complete the 8 units mentioned in the table above with the Institute (either at the Institute or with Advanced Standing not exceeding 4 of the 100 level units), you will be eligible to obtain the Diploma of Networking Technology.

Not all units are offered each semester.

## International Student Duration

The CRICOS-registered duration is 1 year of full-time study (2 trimesters). The part-time mode is not available to a holder of a student visa who is not a citizen of Australia or New Zealand, or who is not an Australian permanent resident, or who is a temporary resident of Australia.

## Domestic Student Duration

For domestic students the course is 2 trimesters full-time and 4 semesters part-time.

## Device Specifications

Items	Specification
<b>Operating system</b>	Windows 10, 11 Mac OS 10.12 Sierra, 10.13 High Sierra, 10.14 Mojave, or 10.15 Catalina
<b>Browser</b>	Safari, Chrome, and Firefox - current version Microsoft Edge - latest version

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	Internet Explorer - current or immediately previous version
<b>Computer and processor</b>	1 GHZ or faster x86 or 64-bit processor with SSE2 instruction set
<b>Memory</b>	8 GB RAM (64-bit)
<b>Disk space</b>	Minimum 500 gigabytes (GB)
<b>Monitor resolution</b>	1024 x 768

### Delivery Method

Type	Explanation
<b>Blended</b>	Blended: on-campus face-to-face with some online content and activities The campus delivered location is level 16, 233 Castlereagh Street Sydney

### Assessment Methods

The Institute uses authentic assessment principles that may include practical exercises, case studies, presentations, reports, online simulations, essays, and examinations. These may include being done under invigilation.

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### Entry Requirements

- Successful completion of an Australian senior secondary qualification (or recognised equivalent) with the equivalent of a minimum Australian Tertiary Admission Rank (ATAR) of 60 and
  - NSW (or equivalent) Band 4 Standard English; and
  - NSW (or equivalent) Band 3 Advanced Mathematics; **or**
  - NSW (or equivalent) Band 4 Standard 2 Mathematics.
- An equivalent secondary qualification overseas that also meets the mathematics requirement above; or
- An accredited Tertiary Preparation Program or a Foundation Year Program offered by an accredited Australian provider that also meets the mathematics requirement above; or
- One year of completed accredited full-time study at a registered institution of tertiary education at AQF level 5 or above that also meets the mathematics requirement above.

### International Students

Students who have not completed an Australian Year 12 qualification may be admitted into the program through the flexible entry mode.

- An equivalent secondary qualification overseas; or
- An accredited Tertiary Preparation Program or a Foundation Year Program offered by an Australian university; or
- One year of successful full-time study in an accredited course at a university or other higher education provider; or

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- Admission to candidature for an undergraduate degree at an Australian university

### Special/Alternative Admission Arrangements

Applicants who are 21 years of age or over who have not completed Year 12, or its equivalent may gain entry to a course by addressing one of the following entry requirements:

1. Successful completion of a Special Tertiary Admissions Test administered by a tertiary admissions centre; or
2. Submission of a portfolio of prior and current academic and professional work; or

Applicants applying under special admission categories will be required to attend an interview with the Dean to assess the applicant's capacity for higher education studies. The applicant should submit a portfolio of prior and current academic and professional work prior to the interview to assist in the assessment process.

The criteria used by the Dean when approving applicants for admission into a course under special or alternative admission arrangements include:

- capacity to pursue tertiary studies;
- motivation to pursue tertiary studies in the discipline of the chosen course;
- demonstrated potential for academic studies based on the applicant's portfolio;
- relevant professional and industry experience; and
- specific consideration of access issues for ATSI's.

### Language requirements

Students whose first language is not English, must demonstrate competency in the English language. English proficiency can be demonstrated by providing certified evidence of an International English Language Testing System (IELTS) test result (or equivalent alternative test result, as follows), issued no more than two (2) years prior to date of application:

TEST	OVERALL	READING	WRITING	LISTENING	SPEAKING
IELTS Academic	6.0	6.0	6.0	6.0	6.0
TOEFL iBT	83	13	21	12	18
PTE Academic	58	50	50	50	50
C1A	180	169	169	169	169
C2P	180	169	169	169	169
OET	-	C+	C+	C/C+	C/C+
KITE	B2 (>450)	B2 (>450)	B2 (>450)	B2 (>450)	B2 (>450)
Duolingo*	115	110	110	110	110

\* Under trial

Note that the most recent attempt at any language proficiency test supersedes any previous attempts (irrespective of those test results) or requirements.

English Language Test results are valid for two years from the date of the results up to the date of commencement at the Institute. The most recent test supersedes ALL previous tests.

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Other acceptable evidence of English proficiency includes:

Successful completion of an AQF Level 5 Diploma or above with at least one (1) year of full-time study in English at an Australian registered vocational or higher education.

Applicants who do not meet the specified English proficiency requirements must enrol in an English Language Intensive Courses for Overseas Students (ELICOS) program at PIA or a provider of their own choice.

Where student have applied to undertake an ELICOS course through an alternate provider they must provide a Confirmation of Enrolment (COE) for an ELICOS program in English for Academic Purposes (EAP), for a duration of at least twelve (12) weeks for every 0.5 below 6.0 overall or subsection IELTS or equivalent result, prior to application, and evidence of successful completion must be provided prior to enrolling in the PIA course.

### Attendance Requirements

The Institute has enforceable requirements in relation to attendance. Further details are provided at Item 20 of the Terms and Conditions.

### Advance Standing

Granting credit for prior learning ensures that students commence study at a level that appropriately recognises their prior learning experiences and are not required to repeat equivalent learning successfully undertaken in another context. Process for applying for Advance Standing (credit) can be found in the [Advanced Standing Policy and Procedure](#)

### Fees

The course fees (per semester) are indicated on the fees page of our [website](#) and are based on a standard full-time study load and duration. Your course fees and duration may vary if you have applied for and been granted Advanced Standing. Tuition fees may increase during your studies. Students are advised in advance of any increase in tuition fees being implemented.

### Further Information

For further information please contact:

Polytechnic Institute Australia Pty Ltd

CRICOS: 03535M

TEQSA provider number: PRV14049

ABN: 34 145 333 795

#### Head office and postal address

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