

# COURSE OUTLINE

## ICT50415 DIPLOMA OF INFORMATION TECHNOLOGY NETWORKING

---

### 1. AIMS

To provide the skills and knowledge for an individual to manage, as an independent ICT specialist or as part of a team, the installation of a range of networks, including internetworking, security and e-business integration.

This course enables individuals to specialise in Networking after the completion of ICT30115 Certificate III in Information, Digital Media & Technology.

---

### 2. COURSE OUTCOMES

This course provides students with the necessary skills for the following purposes:

- To undertake work as an ICT specialist in computer networking.
- Possible job titles relevant to this qualification include: Network administrator, IT administrator, IT operations administrator, Network services administrator, Network support coordinator, Network operations analyst, Network security coordinator, Network e-business coordinator
- To facilitate access to employment including setting up a small business
- As a precursor to studies at other educational institutions.

---

### 3. OVERVIEW

This qualification is fully competency-based. The courses will involve classroom-based delivery, workshops, an online component and extensive practical opportunities to consolidate skills learnt.

---

### 4. DURATION

The Diploma of Information Technology Networking course is studied over a full year which involves 40 weeks of formal tuition.

The general intakes for the Diploma course are in February and July.

# COURSE OUTLINE



## ICT50415 DIPLOMA OF INFORMATION TECHNOLOGY NETWORKING

### 5. COSTS 2018

#### APPLICATION FEE

There is a non-refundable enrolment application fee:

Domestic students (Permanent residents, on-shore applicants)	\$150
International students	\$300
VET Student Loans eligible students	\$0

#### ACADEMIC FEES

Fees for students of these courses are:

Australian Students	\$10,150
International students on an International Study visa	\$10,900

Note: The College reserves the right to alter fees prior to the start of each academic year.

#### GOVERNMENT ASSISTANCE

VET Student Loans is available to eligible students for tuition costs related this course. Please see further information about VET Student Loans and the current Schedule of Fees at <https://www.unity.edu.au/en/more-info/study-with-a-student-loan>

Government study assistance such as Austudy, Abstudy and Youth Allowance is available to eligible domestic students for this course. Visit [www.studyassist.gov.au](http://www.studyassist.gov.au) for more details.

# COURSE OUTLINE



## ICT50415 DIPLOMA OF INFORMATION TECHNOLOGY NETWORKING

### 6. ENTRY REQUIREMENTS

General requirements for entry are:

- Completion of ICT30115 Certificate III in Information, Digital Media and Technology or equivalent or demonstration of equivalent skills. Students with advanced standing are able to apply for Recognition of Prior learning.
- A completed student application form & payment of the application fee
- Minimum entry age for this course is 17 years (18 years for international students).
- Note: Students accessing VET Student Loans must either have a Senior Secondary Certificate of Education/Year 12 Certificate, have achieved a course at Certificate IV level or above or complete an approved Language, literacy and numeracy test (eg Australian Core Skills Framework at Exit Level 3).

Students should in good conscience be able to subscribe to the ethic of Unity College Australia. This means that students will:

- respect college authority and other students
- respect college and student property
- comply with cultural and social standards including:
  - modesty of dress
  - honesty and integrity in dealing with others
  - sensitivity to students from cultures different to one's own
  - no consuming of alcohol or non-medicinal drugs, nor being under the influence of the same, while on campus. The college is a non-smoking environment.

#### **Student Entry Procedure for students accessing a VET Student Loan:**

Students who wish to cover all or part of the course fee through the VET Student Loans scheme should read and follow the "VET Student Loans Student Entry Procedure" as outlined on the Unity College Australia website (<http://www.unity.edu.au/en/more-info/need-financial-help>)

### 7. TRAINING PROCESS

The Diploma course entails a minimum of 20 hours of training per week, including classroom tuition, workshops, work experience and an online component. In addition students will have a range of requirements for out of classroom study and activities, including an online component.

Unity College Australia uses a wide variety of training methods which will be adapted to the class context.

Unity College Australia adopts adult-learning principles. Participants in this program are therefore expected to take charge of their own learning process. It is expected that each selected participant will be committed to

# COURSE OUTLINE



## ICT50415 DIPLOMA OF INFORMATION TECHNOLOGY NETWORKING

meeting the requirements of the relevant course and will attend relevant classes and activities and complete all work required for assessment.

### 8. COURSE STRUCTURE

This qualification will be taught over a one year period using seven modules. The first four and last three modules are standalone thus enabling students to join the course at the beginning of the year or mid-year.

Topics covered include an in-depth study of Networking Enterprises, Networking Security, Enterprise Communications, Networking Projects, Being Ethical in IT, Sustainability with Server Virtualisation and Networking Basics.

The course requires the completion of 16 units of competency, 5 core units and 11 elective units.

A list of the modules and units of competency completed in this course are in the following table.

Semester Term	Module	Core/ Elective	Unit of Competency	
			Code	Name
Sem 1 Term 1	Networking Enterprises	Elective	ICTNWK503	Install and maintain valid authentication processes
	Networking Security	Elective	ICTNWK509	Design and implement a security perimeter for ICT networks
		Elective	ICTNWK510	Develop, implement and evaluate system and application security
		Elective	ICTNWK511	Manage network security
Sem 1 Term 2	Enterprise Communications	Elective	ICTNWK501	Plan, implement and test enterprise communication solutions
	Networking Projects	Core	ICTICT511	Match IT needs with the strategic direction of the enterprise
		Elective	ICTTEN5204A	Produce technical solutions from business specifications
		Core	ICTTEN6206A	Produce an ICT network architecture design
Sem 2 Term 3	Being Ethical in IT	Core	ICTICT418	Contribute to copyright, ethics and privacy in an IT environment
	Sustainability with Server Virtualisation	Core	ICTSUS5187A	Implement server virtualisation for a sustainable ICT system
		Elective	ICTNWK535	Install an enterprise virtual computing environment

# COURSE OUTLINE

## ICT50415 DIPLOMA OF INFORMATION TECHNOLOGY NETWORKING

		Elective	ICTNWK525	Configure an enterprise virtual computing environment
		Elective	ICTNWK527	Manage an enterprise virtual computing environment
<b>Sem 2 Term 4</b>	<b>Networking Basics</b>	Elective	ICTNWK504	Design and implement an integrated server solution
		Elective	ICTNWK505	Design, build and test a network server
		Core	ICTNWK529	Install and manage complex ICT networks

### 9. NATIONALLY RECOGNISED COMPETENCIES

Australia has a system of national standardisation of training for many industry areas including Information Technology. This system is implemented through the use of training packages (groups of courses) and individual units of competency.



All competencies studied in each of these courses are nationally recognised competencies from the Information & Communications Technology Training Package.

### 10. ASSESSMENT OVERVIEW

A wide range of assessment tools are used including:

- attendance and class participation
- practical research and fieldwork
- computerised learning tools
- written assignments, exercises, presentations and/or tests
- journal/process diary completion

Competency-based assessment criteria apply to grading. Final assessment for each subject/unit studied will be shown as:

C      Competent  
NYC    Not Yet Competent

Final Academic Transcripts will show results only for subjects/units assessed as Competent.

Students will be recommended for graduation once the following requirements are met:

# COURSE OUTLINE



## ICT50415 DIPLOMA OF INFORMATION TECHNOLOGY NETWORKING

- Satisfactory completion of all relevant academic requirements
- Payment of all outstanding fees owing to Unity College Australia
- Return of any loaned college resources
- Maintained a satisfactory level of conduct during his/her time at College

---

### 11. PATHWAYS

Continuation of further tertiary studies in Information Technology at Advanced Diploma, Bachelor or higher levels.

---

### 12. COURSE DATES FOR CANBERRA CAMPUS

These dates include Orientation in Terms 1 and 3

#### **2017 Semester 2**

Term 3 - 4	Monday 17 July - Friday 8 December
Graduation	Wednesday 13 December

#### **2018 Semester 1**

Term 1	Monday 5 February - Friday 13 April
Term 2	Monday 30 April - Friday 6 July

#### **2018 Semester 2**

Term 3	Monday 23 July - Friday 28 September
Term 4	Monday 8 October - Friday 14 December
Graduation	Wednesday 19 December