



Course Overview

Become qualified in IT and Networking to meet the growing industry needs of today and tomorrow.

This qualification will give you the skills to work as a technical specialist with high level skills and knowledge in telecommunications and information technology networks.

After completion of this course, you may opt to start a career in areas of network security or choose to pursue specialised and higher qualifications in the field of Information and Communication Technologies (ICT).



Internship (Optional)

Up to 20 hours a week for 12 weeks (Unpaid work experience)



Intake Dates:

3 February, 6 April, 6 July, 7 September, 2 November



Joblinox:

Free access to Joblinox services



Delivery Mode:

The delivery model for this course is face-to-face with online support. Students have the option to undertake an internship.



2020 Price:

AU\$ 21,900 + \$250 enrolment fee
**Learning materials included*



Entry Requirements:

Minimum year 12 or equivalent plus basic computer skills and knowledge of Internet use.

IELTS: 5.5

TOEFL: 70 (minimum score of 18)

PTE: 42 or equivalent or an English test can be arranged for direct entry



Duration:

104 weeks (2 years)

Pathway to University

If it's a university degree you are after, this program has pathways into second year Bachelor Degrees at many leading Australian universities.



Career Outcomes

- Telecommunications Network Administrator
- Telecommunications Network Planner
- Telecommunications Technical Officer or Technologist
- Telecommunications Field Engineer
- Telecommunications Network Designer
- IP based Network Designer
- Network Security Manager
- Network Services Administrator
- IP based Convergence Integrator

ICT60615 Advanced Diploma of Telecommunications Network Engineering

- 4 Core subjects + 6 Electives

Core	Title	Description
ICTPMG610	Develop a project management plan	Develop a plan for a telecommunications project, including assessing project requirement and planning for all stages to completion and final documentation.
ICTPMG611	Prepare a detailed design brief	Prepare a detailed design brief to realise a building and equipment provisioning project, including costing, vendor and technology choices, scheduling and resourcing
ICTSUS601	Integrate sustainability in ICT planning and design projects	Integrate sustainability concepts and policies into information and communications technology (ICT) planning and design projects. These projects typically involve upgrades of equipment hardware and software or new installations of next generation networks (NGN) using emerging technologies.
ICTTEN611	Produce an ICT network architecture design	Compile and evaluate business specifications from a client, and produce a set of architecture design solutions to cater for present and future forecast demands.
Electives		
BSBDES601	Manage design realisation	Manage the process of taking a design from concept to final realisation or production. It has a strong focus on planning, implementation and monitoring skills, combined with a sound knowledge of design and production issues and challenges in a given context.
BSBDES602	Research global design trends	Research and critically evaluate global design trends. The focus is on research and analysis of information and ideas at a complex level, plus the evaluation and extension of the individual's professional skills.
ICTNWK502	Implement secure encryption technologies	Ensure secure file encryption is selected, implemented and monitored on a computer network or local environment.
ICTNWK503	Install and maintain valid authentication processes	Design, develop, install and maintain authentication processes to reduce the vulnerability of the system.
ICTNWK509	Design and implement a security perimeter for ICT networks	Build a high performance, high security, failure resistant security perimeter, for an enterprise information and communications technology (ICT) network.
ICTNWK520	Design ICT system security controls	Design the security controls that ensure an information and communications technology (ICT) system is both physically and legally secure.



723,334*

ICT sector employs approximately 723,334 workers in Australia



5.7% of total employment in Australia*

5.7% per cent of total national employment



12.5% per annum job growth*

ICT jobs are expected to grow by 12.5% per annum.