

Specialisation in

Cyber Security

Telecommunications Network Engineering

ICT50220 DIPLOMA OF INFORMATION TECHNOLOGY

CRICOS 106814C

Course Overview

This course is mid-point of the Information Technology stream of courses and prepares the students with knowledge and skills for paraprofessional/highly skilled work roles and/or further learning at Advanced Diploma or Bachelor level.

Individuals in these roles carry out a mix of specialist and complex operational tasks that require self-development skills. They use well-developed skills and a broad knowledge to autonomously judge and implement decisions within broad parameters to provide specialist advice and apply solutions to an extended range of unpredictable problems.

Teaching sessions are trainer-led in-group sizes of up to 30 participants. The teaching program is undertaken using a planned schedule in accordance with national standards.

Course Features

- 20 units in total
- 4 terms per year
- 1.5 years course
- 60 weeks of learning + 18 weeks holiday
- 20 hours per week face to face learning plus online and self learning

Career Opportunities

- Network Administrator
- Cyber Security Officer
- Telecommunications Officer
- IT Officer
- ICT Security Specialists

Course Units

Core Units x 6

- BSBXCS402 Promote workplace cyber security awareness and best practices
- ICTICT517 Match ICT needs with the strategic direction of the organisation
- BSBCRT512 Originate and develop concepts
- ICTICT532 Apply IP, ethics and privacy in ICT environments
- BSBXTW401 Lead and facilitate a team
- ICTSAS527 Manage client problems

Elective Units x 14

Cyber Security

- ICTCYS407 Gather, analyse and interpret threat data
- ICTCYS610 Protect critical infrastructure for organisations
- ICTSAS526 Review and update disaster recovery and contingency plans
- ICTSAS524 Develop, implement and evaluate an incident response plan
- ICTCYS613 Utilise design methodologies for security architecture

Telecommunications Network Engineering

- ICTNPL413 Evaluate networking regulations and legislation for the telecommunications industry
- ICTICT519 Develop detailed component specifications from project specifications
- ICTNWK423 Manage network and data integrity
- ICTPMG505 Manage ICT projects
- ICTNWK541 Configure, verify and troubleshoot WAN links and IP services
- ICTTEN519 Design network building projects

General Elective

- BSBLDR601 Lead and manage organisational change
- BSBOPS504 Manage business risk
- BSBXCM501 Lead communication in the workplace