

110474F– ICT50220 Diploma of Information Technology

Course Overview

This qualification reflects the role of individuals in a variety of information and communications technology (ICT) roles who have established specialised skills in a technical ICT function.

Individuals in these roles carry out moderately complex tasks in specialist fields, working independently, as part of a team or leading deliverables with others. They may apply their skills across a wide range of industries, business functions and departments, or as a business owner (sole trader/contractor).

The skills required for these roles may include, but are not restricted to:

- advanced networking: configuring and managing virtual computing environments, and security within ICT networks.
- advanced programming: applying intermediate and advanced programming skills, managing data, and building advanced user interfaces to manage organisational requirements.
- back-end web development: developing and maintaining website information architecture and data.
- business analysis: designing and implementing technical requirements, quality assurance processes and contingency plans for businesses.
- cloud architecture: developing, improving, and designing cloud infrastructure, including disaster recovery plans.
- cloud engineering: building, implementing, and managing cloud infrastructure and virtual networks.
- cyber security: protecting sensitive data and information through security architecture and developing disaster recovery and contingency plans.
- database and data management: creating, designing, and monitoring systems that store data and optimise organisational knowledge management.
- front end web development: designing dynamic and complex websites, user experience solutions and documents using extensible mark-up languages.
- game art and design: creating complex 2D and 3D modelling and animation software through scripts and storyboards.
- game programming: creating complex 2D and 3D interactive games and media, building graphical user interfaces and applying artificial intelligence in game development.
- systems administration: reviewing maintenance procedures and support to help troubleshoot system applications.
- systems analysis: modelling and testing data objects, data processes and preferred ICT system solutions.

- telecommunications network engineering: managing logistics, organisational specifications, regulations and legislative requirements across network projects.

Quick Facts

Course name: Diploma of Information Technology

VET National Code: ICT50220

CRICOS Course Code: 1110474F

Duration: 78 Weeks (including 24 Weeks holiday)

Tuition Fee: \$18,000 for 18 months duration (\$12,000 per year).

Job Opportunities

The ICT50220 Diploma of Information Technology qualification can lead to various career opportunities with job titles such as:

- ICT Systems Administrator
- Network Administrator
- Network Support Technician
- IT Support Analyst/Technician
- Assistant IT Manager
- ICT Consultant

Entry Requirements

All students must be over 18

International Students

- Must have completed equivalent to Australian Grade 12, and
- IELTS band 5.5 (with no individual band below 5.0) or equivalent

Domestic Students

- Must have completed Grade 12, or
- Achieve ACSF Level 4 in a Language, Literacy and Numeracy assessment

Assessment method

Assessments will be conducted through a combination of questioning, practical demonstration, presentations, role-plays and observations.

Recognition of Prior Learning

We offer everyone the opportunity to apply for Recognition of Prior Learning (RPL) at enrolment. Students may be granted credit or partial credit in recognition of skills and knowledge gained through work experience, life experience and/or prior training.

Pathways

Upon successful completion of ICT50220 Diploma of Information Technology, you may undertake ICT60220 Advanced Diploma of Information Technology.

Study Location

CAC Sydney Campus – Level 1, 7 Hassall Street, Parramatta, NSW 2150

Course Structure

Total number of units = 20

6 core units plus

14 elective units, of which:

- at least 10 units must be selected from the elective units listed below
- up to 4 units may be selected from the remaining listed elective units or from this or any currently endorsed Training Package or accredited course where the units are packaged in an Australian Qualification Framework (AQF) Level 4, 5 or 6 qualifications.

The units delivered by CAC are as follows:

Core Units

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

Elective Units

7. ICTNWK529 Install and manage complex ICT networks
8. ICTCYS407 Gather, analyse and interpret threat data
9. ICTSAS524 Develop, implement and evaluate an incident response plan
10. VU23217 Recognise the need for cyber security in an organisation
11. ICTSAD509 Produce ICT feasibility reports
12. ICTNWK540 Design, build and test network servers
13. ICTNWK546 Manage network security
14. ICTSAS526 Review and update disaster recovery and contingency plans
15. ICTDBS506 Design databases
16. ICTWEB513 Build dynamic websites
17. ICTWEB514 Create dynamic web pages
18. ICTSAS518 Install and upgrade operating systems

19. ICTICT524 Determine ICT strategies and solutions for organisations

20. ICTSAS502 Establish and maintain client user liaison



CAC has relationships with Education Agents to recruit students on our behalf. For a full list of our approved Agents, please refer to the Our Agents page on our website.

USI

All students undertaking nationally recognised training must have a USI in order to receive a qualification.