



ICT50220: Diploma of Information Technology (IT)

Course Duration

- 72 weeks fulltime for international students. Includes self-directed study, holiday, and assessment time.
- Negotiated individual or group study support sessions are available on a weekly basis and are included within the timetable.

Delivery Mode

- On Campus. Self-directed as per timetable.

Enrolment Date

- Rolling Intake

Qualification Description

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

Individuals in these roles carry out moderately complex tasks in a specialist field, working independently, as part of a team or leading a deliverable 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.



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Qualification Description (Cont'd)

- 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 optimize 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 script and storyboards.
- Game programming: creating complex 2D and 3D interactive games and media, building graphical user interfaces and applying artificial intelligence in game development.
- System administration: reviewing maintenance procedures and support to help troubleshoot system applications.
- System 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.

Entry requirements

- There are no entry requirements for this qualification as per www.training.gov.au.

Australian National Education Institute's Admission Requirements

Australian National Education Institute has the following admission requirements:

- Be 18 years or over.
- Be competent in written and spoken English with an IELTS Score of no less than 5.5 or equivalent language test score.
- Participate in a suitability interview prior to enrolment and be able to demonstrate an enthusiasm and ability to undertake this qualification, with the recommendation being made by the interviewer to the CEO and/or nominee who will make the final decision.
- It is also essential for the student to possess basic computer skills.



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Units of Competency

- Consistent with the packaging rules, the units listed below will be delivered for this training product. The unit codes and titles are provided, and units are grouped into Core and Elective units.
- Based on information available from www.training.gov.au the following packaging rules apply for completion of this training product:

20 Units must be completed:

- 6 core units
- 14 elective units

Core Units

Number of units	Unit codes	Unit name
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 organization
5	ICTICT532	Apply IP, ethics, and privacy in ICT environments
6	ICTSAS527	Manage client problems

Elective Units

Australian National Education Institute has determined that the units below will be offered in the delivery of this program. The selection of units has been based on meeting local industry needs and confirmation of the availability of Australian National Education Institute's resources, equipment, and teaching staff, with relevant vocational competence.

Number of Elective units	Unit code	Unit name
		Units Chosen from Group D: Business Analysis Specialisation
7	ICTSAD507	Design and Implementation Quality Assurance Processes for Business Solutions
8	ICTSAS526	Review and Update Disaster Recovery and Contingency Plans
9	ICTSAD508	Develop Technical Requirements for Business Solutions
		Units Chosen from Group G: Cyber Security Specialisation
10	ICTCYS407	Gather, Analyse, and Interpret Threat Data
11	ICTCYS610	Protect Critical Infrastructure for Organisations
12	ICTCYS613	Utilise Design Methodologies for Security Architecture
13	ICTSAS524	Develop, Implement and Evaluate an Incident Response Plan
		Unit Chosen from Group I: Front End Web Development Specialisation
14	ICTWEB513	Build Dynamic Websites
		Unit Chosen from Group O General Electives: Advanced IT Support
15	ICTICT524	Determine ICT Strategies and Solutions for Organisations
		Unit Chosen from Business Management:
16	ICTICT443	Work Collaboratively in the ICT Industry
		Units Chosen from Networking:
17	ICTNWK560	Determine Best-Fit Topologies for Wide Area Networks
18	ICTNWK561	Design Enterprise Wireless Local Area Networks
		Units Chosen from Web Design and Development
19	ICTWEB452	Create a Mark-Up Language Document

