



FROM POSSIBILITY TO ACTUALITY



# Diploma of Information Technology

National Course Code: ICT50220 CRICOS Course Code: 105210F

Duration: 65 Weeks

## Course Description

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 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.
- 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.

## Entry requirements

International students require a minimum English level of IELTS 6.0 (with no individual band less than 5.5) If the level of English is insufficient, a suitable course can be organised.

## Vocational outcomes

Successful completion of the ICT50220 Diploma of Information Technology can lead to a range of possible career opportunities including ICT Office Manager, ICT Systems Administrator, Information Systems Office Manager and Office Systems Administrator.

## Target Group

The target group for the ICT50220 Diploma of Information Technology is local and international students wishing to develop their existing Information Technology skills and those who are already working in the industry and wish to obtain the qualification to broaden their knowledge, skills and career prospects. The course provides a solid overview of Information and Communication technology industry with an operational knowledge in IT and related area. International students will come from a range of countries spanning Asia, Eastern Europe and Middle East. Many international students have industry experience and wish to receive an Australian qualification. Participants who do not have any industry experience will not be disadvantaged as delivery involves workplace simulations exercises and projects.

## Delivery Modes

CIBT uses a blended learning methodology combining classroom-based learning with computer-mediated activities as studies show blended learning improves student's interaction and satisfaction as well as increase learning outcomes. Delivery involves 20 hours per week total tuition with 13.5 hours/week of classroom-based delivery on campus and for 6.5 hours/week students would be taking part in computer-mediated activities via online Learning Management System (MOODLE).

## Course Completion

Students obtaining a 'Competent' result for all the units studied will achieve a Diploma of Information Technology. A Statement of Attainment will be issued only for the units in which a student has been found 'Competent'.

## Protection of fee paid in advance

Tuition fee paid in advance by student is protected under commonwealth's Tuition Protection Service (TPS). TPS is a placement and refund service for international students. The TPS is like an insurance cover for fees paid in advance. It is a single mechanism to place students when a provider fails to meet obligations or as a last resort to provide refunds of unexpended prepaid tuition fees.

## Trainers and Assessors

All CIBT trainers/assessors are highly qualified and experienced. They have TAE40116 Certificate IV in Training and Assessment or its equivalent plus suitable industry experience along with the qualification to teach Diploma of Information Technology.

## Assessments

Each unit will be assessed in at least 2 different ways unless otherwise required by the unit of competency. The assessment will be conducted through take home research, assignments, projects, case studies, demonstrations and presentation.

## Articulation & Pathways

Under mutual recognition the Diploma of Information Technology qualification and Statement of Attainment awarded by CIBT will be recognised by other RTOs Australia wide. Upon successful completion of the Diploma of Information Technology students may be eligible for exemption in similar courses. Graduate of this qualification can continue their studies to ICT60220 Advanced Diploma of Information Technology.

## RPL and Exemptions

RPL and credit transfer can be applied for at the time of enrolment or during the orientation. Students may be eligible to obtain credits for individual units as a result of experience gained in the relevant Information Technology field or from previous training and education. A Fee is payable for assessing your RPL status. The information is available online in the student handbook or can be requested at the reception.

## Training and Other Facilities

CIBT trains and assesses its students from its campuses in Sydney City and Canberra which are fully equipped with required facilities including modern computer labs with internet access, data projectors & resources borrowing facility, printing & photocopy facility and a student common area.

## Course Structure

The 20 units of competency (6 Core and 14 Electives) are delivered throughout 65 Weeks (45 weeks tuition and 20 weeks holiday). All units of competency must be completed to attain ICT50220 Diploma of Information Technology.

Unit Code	Unit Descriptions	Core/Elective
BSBCRT512	Originate and develop concepts	Core
BSBXCS402	Promote workplace cyber security awareness and best practices	Core
BSBXTW401	Lead and facilitate a team	Core
ICTICT517	Match ICT needs with the strategic direction of the organisation	Core
ICTICT532	Apply IP, ethics and privacy in ICT environments	Core
ICTSAS527	Manage client problems	Core
ICTSAS518	Install and upgrade operating systems	Elective
ICTICT523	Gather data to identify business requirements	Elective
ICTNWK553	Configure enterprise virtual computing environments	Elective
ICTICT519	Develop detailed component specifications from project specifications	Elective
ICTNWK542	Install, operate and troubleshoot medium enterprise routers	Elective
ICTNWK543	Install, operate and troubleshoot medium enterprise switches	Elective
ICTWEB513	Build dynamic websites	Elective
ICTSAS530	Use network tools	Elective
ICTPMG505	Manage ICT projects	Elective
ICTWEB517	Create web-based programs	Elective
ICTICT518	Research and review hardware technology options for organisations	Elective
ICTPRG530	Manage projects using software management tools	Elective
ICTPRG532	Apply advanced object-oriented language skills	Elective
ICTNWK562	Configure internet gateways	Elective

Crown Institute of Business and Technology Pty Ltd trading as Crown Institute of Business and Technology (CIBT)

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