



# Advanced Diploma of Information Technology

National Course Code: ICT60220 CRICOS Course Code: 105211E

Duration: 52 Weeks

## Course Description

This qualification reflects the role of individuals in a variety of information and communications technology (ICT) roles who have significant experience in specialist technical skills, or managerial business and people management skills.

Individuals in these roles carry out complex tasks in a specialist field, working independently, leading a team or a strategic direction of a business. They apply their skills across a wide range of industries and business functions, or as a business owner (sole trader/contractor).

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

- Advanced data management information: creating, designing and monitoring complex systems that store data, and optimising organisational knowledge management.
- Cyber security: protecting sensitive data and information through security architecture and developing disaster recovery and contingency plans.
- Full stack web development: building advanced user interfaces, developing representational state transfer application program interfaces (REST APIs) and designing user experience solutions.
- Further programming: applying advanced ICT languages to maintain security and manage data.
- IT strategy and organisational development: managing and communicating strategic ICT business solutions.
- Systems development and 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

Upon successful completion of this Qualification with proper employability skills you should be able to work as: Software Manager System, Network Administrator and Coordinator, IT Security Administrator, ICT Business Analyst and more.

## Target Group

The target group for the ICT60220 Advanced 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 15 hours/week of classroom-based delivery on campus and for 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 Advanced 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 Advanced 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 Advanced Diploma of Information Technology the students may be eligible for exemption in relevant courses. Graduate of this qualification can continue their studies to undergraduate courses.

## 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 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 16 units of competency (6 Core and 10 Electives) are delivered throughout 52 weeks (36 weeks tuition and 16 weeks holiday). All units of competency must be completed to attain ICT60220 Advanced Diploma of Information Technology.

| Unit Code | Unit Descriptions                                                   | Core/ Elective |
|-----------|---------------------------------------------------------------------|----------------|
| BSBCRT611 | Apply critical thinking for complex problem solving                 | Core           |
| BSBTWK502 | Manage team effectiveness                                           | Core           |
| BSBXCS402 | Promote workplace cyber security awareness and best practices       | Core           |
| ICTICT608 | Interact with clients on a business level                           | Core           |
| ICTICT618 | Manage IP, ethics and privacy in ICT environments                   | Core           |
| ICTSAD609 | Plan and monitor business analysis activities in an ICT environment | Core           |
| ICTNWK615 | Design and configure desktop virtualisation                         | Elective       |
| ICTNWK537 | Implement secure encryption technologies                            | Elective       |
| ICTNWK544 | Design and implement a security perimeter for ICT networks          | Elective       |
| ICTNWK619 | Plan, configure and test advanced server-based security             | Elective       |
| ICTSUS603 | Integrate sustainability in ICT planning and design projects        | Elective       |
| ICTTEN622 | Produce ICT network architecture designs                            | Elective       |
| ICTNWK621 | Configure network devices for a secure network infrastructure       | Elective       |
| ICTNWK622 | Configure and manage intrusion prevention system on network sensors | Elective       |
| ICTNWK546 | Manage network security                                             | Elective       |
| ICTNWK618 | Design and implement a security system                              | Elective       |