



DELLA INTERNATIONAL COLLEGE

RTO: 21738 | CRICOS: 02716C

*we aspire to be the best*

# Diploma of Information Technology

Della International College Pty Ltd.



[www.dellainternational.edu.au](http://www.dellainternational.edu.au)



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## ICT50220- Diploma of Information Technology

### Student Course Guide

<b>Course Code:</b>	<b>ICT50220</b>	<b>CRICOS Code</b>	<b>117579G</b>	<b>VET Code</b>	<b>ICT50220</b>
<b>Course Name:</b>	<b>Diploma of Information Technology</b>				
<b>Course Type:</b>	Accredited				
<b>Course Level:</b>	Diploma				
<b>Course Location:</b>	Level 1, 150 - 154 A'Beckett Street, Melbourne, VIC 3000 Unit 4, 149 Anderson Road, Sunshine, VIC 3020				
<b>Course Duration:</b>	Fulltime: 65 weeks @ 20 hours per week 60 weeks class delivery 05 weeks Holiday				
<b>Enquiries</b>	Phone: +61 3 93299430 Email: <a href="mailto:info@dellainternational.edu.au">info@dellainternational.edu.au</a>				
<b>Course Overview</b>	<p>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.</p> <p>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).</p> <p>The skills required for these roles may include, but are not restricted to:</p> <ul style="list-style-type: none"><li>• advanced networking: configuring and managing virtual computing environments, and security within ICT networks</li><li>• advanced programming: applying intermediate and advanced programming skills, managing data and building advanced user interfaces to manage organisational requirements</li><li>• back end web development: developing and maintaining website information architecture and data</li><li>• business analysis: designing and implementing technical requirements, quality assurance processes and contingency plans for businesses</li><li>• cloud architecture: developing, improving and designing cloud infrastructure, including disaster recovery plans</li><li>• cloud engineering: building, implementing and managing cloud infrastructure and virtual networks</li><li>• cyber security: protecting sensitive data and information through security architecture and developing disaster recovery and contingency plans</li><li>• database and data management: creating, designing and monitoring systems that store data and optimise organisational knowledge management</li><li>• front end web development: designing dynamic and complex websites, user experience solutions and documents using extensible mark-up languages</li><li>• game art and design: creating complex 2D and 3D modelling and animation software through scripts and storyboards</li><li>• game programming: creating complex 2D and 3D interactive games and media, building graphical user interfaces and applying artificial intelligence in game development</li><li>• systems administration: reviewing maintenance procedures and support to help troubleshoot system applications</li><li>• systems analysis: modelling and testing data objects, data processes and preferred ICT system solutions</li><li>• telecommunications network engineering: managing logistics, organisational specifications, regulations and legislative requirements across network projects.</li></ul>				
<b>Credit Transfer and Recognition</b>	Della International College offers Recognition of Prior Learning (RPL) and Course Credit to students through the enrolment process.				



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<b>of Prior learning</b>	<p>Della International College recognises qualifications issued by other RTOs.</p> <p>Please consult with the Compliance Manager for further information if you are unsure if either of these apply to you.</p>					
<b>Sequence of Delivery and Assessment/ Course Structure</b>	<p>This program will be delivered over 65 weeks.</p> <p>Learners are provided with learning resources, training manuals, assessment requirements.</p> <ol style="list-style-type: none"> <li><b>Classroom based training</b> sessions to develop the knowledge and theoretical understandings required to undertake activities within a potentially highly regulated industry. Classroom settings will ensure full access to computers, internet, whiteboards, workbooks and textbooks.</li> <li><b>Practical training and experience</b> in a simulated environment allowing for training, practice and assessment to occur in an appropriate environment (subject to units). A Simulated environment is an environment that closely resembles the real workplace in its function and operation and provides access to a broad range of related experiences, tools and materials. This environment will allow students to develop and demonstrate their skills in relation to painting and decorating within appropriate simulated situations. During the practical sessions enough, time is allocated to students to perform the required tasks, practice their skills, reinforce their knowledge and prepare themselves for the practical assessments.</li> <li><b>Private / Out of Class Study</b> - Students need to allocate a few hours of self-study time per unit of competence to complete workbook activities and the associated review questions to enhance their understanding. This time is in addition to the structured supervised hours of training.</li> </ol> <p><b>Delivery Weekly Hours</b></p> <p>The face-to-face delivery of this qualification will combine theory in classrooms and practical training in a simulated environment.</p> <p>Each week, students will attend 20 hours of face-to-face/online training and assessment.</p>					
Order	Duration (in weeks)	Unit details	Total Delivery			
				Assessment	Self-Study	Total Hours
1	3	BSBCRT512 Originate and develop concepts	40	20	15	75
2	3	BSBXCS402 Promote workplace cyber security awareness and best practices	40	20	15	75
3	3.6	BSBXTW401 Lead and facilitate a team	52	20	18	90
4	2	ICTICT523 Gather data to identify business requirements	20	20	10	50
5	3.6	ICTICT517 Match ICT needs with the strategic direction of the organisation	52	20	18	90
6	2	ICTSAS527 Manage client problems	24	16	10	50
<b>Electives</b>						
7	3	ICTICT532 Apply IP, ethics and privacy in ICT environments	40	20	15	75



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8	2	ICTWEB514 Create dynamic web pages	20	20	10	50
9	3	ICTWEB513 Build dynamic websites	40	20	15	75
10	2	ICTDBS507 Integrate databases with websites	20	20	10	50
11	2	ICTWEB518 Build a document using extensible mark up language	20	20	10	50
12	2.6	ICTWEB441 Produce basic client-side script	32	20	13	65
13	5	ICTNWK541 Configure, verify and troubleshoot WAN links and IP services	60	40	20	120
14	3.6	ICTPRG549 Apply intermediate object-oriented language skills	40	32	18	90
15	4	ICTPRG532 Apply advanced object-oriented language skills	40	40	20	100
16	4	ICTPRG547 Apply advanced programming skills in another language	60	20	20	100
17	2.6	ICTPRG540 Maintain custom software	32	20	13	65
18	4	ICTPMG505 Manage ICT projects	60	20	20	100
19	2	ICTICT518 Research and review hardware technology options for organisations	20	20	10	50
20	3	ICTNWK547 Manage system security on operational systems	40	20	15	75
Total			752	448	295	1495
Total	60 Weeks	Total face to face and Self-study hours		1495		
Qualifications and Recognition Outcome		Diploma				
		<b>Characteristics of Learning Outcomes</b> <ul style="list-style-type: none"><li>the self-directed application of knowledge and skills, with substantial depth in some areas where judgement is required in planning and selecting appropriate equipment, services and techniques for self and others;</li><li>breadth, depth and complexity covering planning and initiation of alternative approaches to skills or knowledge applications across a broad range of technical and/or management requirements, evaluation and coordination; and</li><li>applications involve participation in development of strategic initiatives, as well as personal responsibility and autonomy in performing complex technical operations or organising others. It may include participation in teams including teams concerned with planning and evaluation functions. Group or team coordination may be involved.</li></ul>				





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The degree of emphasis on breadth as against depth of knowledge and skills may vary between qualifications granted at this level.

#### Distinguishing Features of Learning Outcomes

An individual with this qualification would need to demonstrate the following competencies.

[http://www.paci.com.au/Downloads/S-AQF\\_handbook.pdf](http://www.paci.com.au/Downloads/S-AQF_handbook.pdf)

Characteristic	Diploma
Knowledge	Demonstrates understanding of a broad knowledge based incorporating theoretical concepts with substantial depth in some areas.
Problem solving	Analyse and plan approaches to technical or management requirements.
Practical skills	None defined
Information	Evaluate information using it to forecast for planning or research purposes.
Range of tasks	Transfer and apply theoretical concepts and/or technical or creative skills to a range of situations.
Responsibility	Take responsibility for own outputs in relation to broad quality and quality partners. Take limited responsibility for the achievement of group outcomes

#### Assessment

Participants will be advised of the assessment requirements at the beginning of each unit.

Assessment is the process of collecting evidence and making judgements about whether competency has been achieved to confirm whether an individual can perform to the standards expected in the workplace, as expressed in the relevant endorsed unit of competency.

Assessment is carried out in accordance with the:

- benchmarks for assessment
- specific industry requirements
- principles of assessment
- rules of evidence

Assessment will usually commence in the session following delivery and it may take considerable time to complete both the theory and/or practical requirements. As this is a competency based program, assessment continues throughout the program until the participant either achieves competency in the assessment tasks or a further training need is identified and addressed.

Formative assessment is provided throughout the course. This is achieved through a range of activities and assessments throughout the training program. These tasks are separate to the summative assessment process that concludes each unit of competency

The assessment process may include theory, projects and practical assessments.

Each unit has an individual assessment tool and mapping document which establishes the details assessment methodology including:

- Outlining the assessment methods
- Providing instructions for the assessor



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	<ul style="list-style-type: none"><li>• Providing instructions for the students</li><li>• Being mapped to the unit of competency through a separate mapping document</li><li>• Ensuring assessment is summative Assessment is based on realistic workplace scenarios and simulations as students;</li><li>• May not be in suitable employment or</li><li>• May be working in workplaces or work situations that do not use or allow the application of the competency required.</li></ul>
<b>Pathways</b>	<p>Participants will be provided with advice on career development and training options throughout the delivery of the program</p> <p><b><i>Pathways into the qualification</i></b></p> <p>This qualification may be accessed by direct entry. Those wishing to expand on their skills and knowledge may select to enter from the ICT50220 Diploma of Information Technology.</p> <p><b><i>Pathways from the qualification</i></b></p> <p>Further training pathways from this qualification may lead to any of the following:</p> <ul style="list-style-type: none"><li>• ICT60220- Advanced Diploma of Information Technology.</li></ul> <p>Further studies post completion may also include a Bachelor's Degree.</p> <p><b><i>Employment Pathway</i></b></p> <ul style="list-style-type: none"><li>• The Diploma of Information Technology is intended to prepare new employees or recognise and develop existing workers who are performing the following roles:</li><li>• IT project management</li><li>• software development</li><li>• database development</li><li>• networking</li><li>• web development.</li></ul>
<b>Determining Suitability Assessment</b>	<p><b>Pre-Training Review:</b></p> <p>The Pre training Review is to be conducted within the Determining Suitability Review. It will consist of a self-assessment and series of questions that are relevant to identify the prospective student's current academic and professional skills and knowledge.</p> <p>The pre-training review is conducted as a means of determining the appropriateness of the chosen qualification, any prior knowledge in the field and if it is a suitable training option in which the student chooses to study.</p> <p>Upon completion, the pre-training information is assessed and the outcomes recorded in the Determining Suitability Review. Suggestions are recorded and transferred to the trainer on the training plan.</p> <p><b>Language, Literacy and Numeracy Assessment</b></p> <p>Included in the Determining Suitability Assessment is the Language, Literacy and Numeracy (LLN) test. Students will be required to complete the LLN test to determine their level to be able</p>



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	<p>to complete the course or be offered additional support prior to entry into a course. Students will be admitted into the respective courses only if their LLN test result is within the range provided.</p> <p>Della International College will not enrol an eligible individual where the qualification is at an inappropriate level for that student. In the event that minor gaps* are identified, Della International College will provide the student with support services to enable them to undertake the qualification.</p> <p><i>*minor gaps refer to forms of reasonable adjustment that will not compromise the qualification requirements.</i></p> <p>Upon completion of the Determining Suitability Assessment the authorised delegate is to provide feedback to the student regarding the suitability of the qualification to the student's needs and indicate if any support services are required prior to application. This information can be placed on the last page of the training plan in the allocated space.</p>
	<p><b>Learning Style Assessment</b></p> <p>The learning Style assessment is designed to assess the prospective students learning style and what should be considered in;</p> <ul style="list-style-type: none"><li>• How they learn</li><li>• How they study and</li><li>• How they should be assessed.</li></ul> <p>The purpose of this assessment is to ensure that the way in which the prospective course is to be delivered is suitable to the student needs.</p> <p>Upon completing all areas they assessment is tallied and the outcomes recorded in the Determining Suitability Review, suggestion are recorded and transfer to the trainer on the training plan.</p>
<b>Medical Issues</b>	<p>Upon enrolling into Della International College, we request that you disclose if you have any medical conditions as there may be contraindications to the course you wish to enrol into. Should you have a medical condition, you will be asked to provide Della International College with a certificate of capacity from your Doctor, clearing you and allowing you to participate in classes.</p>
<b>Policy and procedure</b>	<p>Upon enrolment and on your first day of class you will be provided with an orientation of the course and how it is structured. You will also be given a Student Handbook which outlines and covers all of Della International College's policies and procedures; inclusive but not limited to: Privacy policy, Complaints, Appeals, Withdrawals and other processes. For all forms relating to studying at Della International College, please refer to our website. <a href="http://www.dellainternational.edu.au">www.dellainternational.edu.au</a> or email <a href="mailto:info@dellainternational.edu.au">info@dellainternational.edu.au</a>.</p>







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