

## Course Outline

### ICT60615 Advanced Diploma of Telecommunications Network Engineering

<b>Qualification Completion Requirements</b>	<p>Four (4) core units and six (6) elective units, total 10 units are required to pass for the award of the ICT60615 Advanced Diploma of Telecommunications Network Engineering. Units have been selected in accordance with the packaging rules and are relevant to the work outcome, local industry requirements and qualification level.</p> <p>The latest release of the qualification and packaging rules can be found at the following link: <a href="https://training.gov.au/Training/Details/ICT60615">https://training.gov.au/Training/Details/ICT60615</a></p>
<b>Training product</b>	ICT60615 Advanced Diploma of Telecommunications Network Engineering
<b>CRICOS Course code</b>	104581J
<b>Course Duration</b>	This qualification will be delivered over 104 weeks, including 80 weeks of training and assessment spread over 8 terms of 10 weeks each. Holidays are 3 weeks per term amounting to 24 weeks of holidays followed by the training and assessment weeks spread over 8 terms.
<b>Fees</b>	<p>Tuition Fee: \$30,000</p> <p>Application Fee: \$300</p> <p>Material Fee: \$200</p> <p><b>Total Fee: \$30,500</b></p>
<b>Purpose</b>	<p>This qualification reflects the role a technical specialist with high level skills and knowledge in telecommunications and information technology networks using internet protocol (IP) systems who can:</p> <ul style="list-style-type: none"> <li>– forecast network growth for enterprise network planning</li> <li>– design and manage IP based network telecommunications equipment</li> <li>– implement convergence technologies in enterprise telecommunications networks</li> <li>– design and manage optical and wireless network telecommunications architectures for high-speed broadband capability.</li> </ul> <p>This course is designed to train students with essential skills and knowledge required for planning, designing and managing Telecommunications and IP networks as specialist or as part of the team. Students should learn how to plan and implement complex IP Networks and technologies in enterprise, service provider, and telecommunications carrier environments.</p>
<b>Career Outcome</b>	<ul style="list-style-type: none"> <li>– Optical Network Manager</li> <li>– Senior Specialist Technician (Telecommunications)</li> <li>– Telecommunications Technical Officer</li> <li>– Senior Technical Officer (Telecommunications Engineering)</li> <li>– Telecommunications Engineer</li> </ul>
<b>Delivery Mode</b>	<p>This program is delivered in the classroom face-to-face mode.</p> <p>The course is delivered at 37 Gregory St, Parap, Darwin (Northern Territory), NT 0820</p>

Units of competency	Units	Core/ Elective
	ICTPMG613 Manage ICT project planning	Core
	ICTPMG611 Prepare a detailed design brief	Core
	ICTSUS601 Integrate sustainability in ICT planning and design projects	Core
	ICTTEN611 Produce an ICT network architecture design	Core
	ICTSUS602 Establish a business case for sustainability and competitive advantage in ICT projects	Elective
	ICTNWK517 Determine best-fit topology for a wide area network	Elective
	ICTNWK518 design an enterprise wireless local area network	Elective
	ICTOPN601 Manage optical ethernet transmission	Elective
	BSBWHS504 - Manage WHS risks	Elective
	BSBWHS521 - Ensure a safe workplace for a work area	Elective
Pre-requisite	Certificate IV in Telecommunications Engineering Technology, or Diploma in Information Technology or higher qualifications.	
Applicants' Characteristics	<p>Characteristics of the target group are as follows:</p> <ul style="list-style-type: none"> <li>▪ Applicants will have a minimum education level of a Certificate IV in Telecommunications Engineering Technology (or equivalent) and be aged 18 years or over.</li> <li>▪ Have an IELTS overall score of 5.5 or equivalent in similar English Skills Test (test results must be no more than 2 years old).</li> <li>▪ Participate in a course entry interview to demonstrate their suitability for the course.</li> <li>▪ Participate in LLN (Language, Literacy and Numeracy) test conducted by DIT</li> </ul> <p>English language competence can also be demonstrated through documented evidence of any of the following:</p> <ul style="list-style-type: none"> <li>▪ Educated for 5 years in an English-speaking country; or</li> <li>▪ Successful completion of an English Placement Test</li> </ul> <p>*Note that other English language tests such as PTE and TOEFL can be accepted. Students are required to provide their results so that it can be confirmed they are equivalent to IELTS 5.5.</p>	
Intakes/ Holiday Periods	Check Website	
Pathways	<p>Students who complete this course may be able to seek employment in a range of information telecommunications technical specialist roles.</p> <p>Students who complete this course may wish to continue their education into a range of higher education qualifications in information technology at universities and other tertiary education providers.</p>	
Training package entry requirements	<p>Nil</p> <p>DIT has its own Entry requirements as details above.</p>	
Delivery sites	37 Gregory Street, Parap, NT 0820, Australia	

<b>Mandatory work placement Requirement</b>	<p>There is no requirement of work placement to achieve this qualification.</p>
<b>Delivery schedule</b>	<p>DIT operates through a system of rolling enrolments meaning that students may commence at the beginning of any term. Students may also enter the qualification before a unit's delivery starts; as there is no particular pre-requisite study for any unit. The Training and Assessment Schedule is shown in terms and this represents the scheduling of units on commencement.</p> <p>The course will be delivered in the sequence shown in the Delivery and Assessment Schedule. Students will be provided with this Delivery and Assessment Schedule on successful enrolment. Please note, depending on when a student joins the course, the term number may vary.</p>
<b>Classroom training</b>	<ul style="list-style-type: none"> <li>– A face-to-face training mode is employed for this qualification and all training will take place at DIT training facilities in Darwin. Units of competency are delivered individually.</li> <li>– A timetable will be supplied to each student prior to course commencement. Students are also provided with an orientation to the course to outline the learning and assessment processes, support services and other relevant information. This forms part of the general orientation that DIT provides to students.</li> <li>– All students will be provided with a range of learning support options and resources to help them achieve competency.</li> <li>– Students can also be supported outside of face-to-face mode through e-mail and telephone contact with their trainer. Students are provided with their trainer's contact details at their orientation or later.</li> <li>– Students are encouraged to contact their trainer at any time and trainers will liaise with students regarding their progress and provide advice as required including any relevant course content and concepts, learning opportunities, assessment requirements, feedback on assessments and any issues the student is experiencing.</li> <li>– Students will be required to do homework which will need at least 2-5 hours of study per week.</li> <li>– DIT uses a range of techniques during face-to-face delivery including trainer presentations and demonstrations, individual tasks, case studies, research, role plays, practical demonstrations and group work. The context of the simulated workplace environment will be incorporated into delivery methodologies and students will complete tasks to appropriate workplace standards.</li> <li>– Delivery methodologies employ terminology, equipment, resources, materials, contexts, practices and activities associated with the business (or related) role in the workplace.</li> <li>– The simulated training environment is achieved by using equipment, tools, technology, workplace conditions, legislation, quality standards and approaches to work that match those currently employed in industry in a business context. For example, workplace plans (business/operational/ weekly), administration documentation, IT hardware (computers, laptops, printers, projectors) and Microsoft office software applications, telephones, tables and chairs, policy and procedure manuals.</li> <li>– Students understanding of the workplace and its requirements will be developed throughout the course.</li> <li>– The environment is created to suit the specific unit requirements and the trainer reinforces understanding through relating to their own experience and through the use of learning materials e.g. textbooks, handouts or videos. Depending on the unit content and context the classroom environment is adapted to recreate the simulated work environment.</li> </ul>

	<ul style="list-style-type: none"> <li>– Appropriate simulated contexts and activities are incorporated into delivery and prepare students for assessment. These align to the contexts and activities indicated in the units of competency. The simulated assessment contexts and activities also align to the requirements of each unit of competency.</li> <li>– During the practical sessions, sufficient time is allocated for students to perform the required tasks, practice their skills and reinforce their knowledge.</li> </ul> <p>Facilities and Equipment</p> <ul style="list-style-type: none"> <li>• Training rooms, including desks, chairs, whiteboard and overhead projector</li> <li>• Computers with Microsoft Office and access to the Internet.</li> <li>• Library from where you can borrow the relevant books.</li> </ul>
<b>General assessment aspects</b>	<p>DIT employs various assessment methods to determine the competency of a learner. These methods may vary among the units of competency. Specific weekly hours are allocated to the conduct of assessment during classroom activities. These include activities such as group activities, practical demonstration, role play and so on.</p> <p>Assessment will occur through a variety of methods, including projects incorporating role-plays, case studies and short answer questions. Assessment conditions will ensure a simulated workplace environment.</p> <p>Assessment tasks are in general as in the followings:</p> <ul style="list-style-type: none"> <li>▪ Reflect real life work tasks.</li> <li>▪ Required to be performed within industry standard timeframes as specified by assessors in relation to each task.</li> <li>▪ Assessed using assessment criteria that relate to the quality of work expected by the industry.</li> <li>▪ Performed to industry safety requirements as relevant.</li> <li>▪ Utilise authentic workplace documentation.</li> <li>▪ Require students to work with others as part of a team.</li> <li>▪ Require students to plan and prioritise competing work tasks.</li> <li>▪ Involve the use of standard, workplace equipment such as computers and software.</li> <li>▪ Ensure that students are required to consider workplace constraints such as time and budgets.</li> </ul> <p>Assessment Tasks will be handed over on specific dates as per Delivery and Assessment Schedule. Students need to prepare the answers within allocated time period and submit on the expected date following the Delivery and Assessment Schedule.</p>
<b>Non-supervised assessment preparation homework</b>	<p>The structured non-supervised assessment preparation component of this course amounts to 2-5 hours a week. This non-supervised assessment preparation homework component will include a range of activities which will prepare them answer to the written questions, generally the Task 1 of the assessment component. The trainer will discuss the activities for homework and review them. The trainer will advise the learner of previous week's topics and activities to enable them to study further at home to prepare for the upcoming supervised assessment activities. The trainer will also discuss and review the homework activities in the following week.</p>
<b>Course Credit</b>	<p>DIT can grant you credit towards your course for units of competency that you have already completed with another RTO or authorised issuing organisation. We can also grant you Credit for subjects or units you have completed where equivalence can be established between the unit in your course, and the subject or unit you have completed.</p> <p>There is no charge to apply for Credit. To apply, fill in the Credit Application Form and submit it as part of your enrolment.</p>

	<p>Granting course credit may affect course fees as well as the duration of Student visa.</p>
<p><b>Recognition of Prior Learning (RPL)</b></p>	<p>Recognition of Prior Learning is available, and all students are offered the opportunity to participate in RPL upon enrolment. Recognition of Prior Learning is recommended as an option where individuals have been working in a relevant job role for at least 2 years.</p> <p>A streamlined RPL process has been developed which requires the student to make a self-assessment of their skills, participate in an interview with an assessor, provide documentary evidence and demonstrate practical skills where relevant. This process involves:</p> <p>The candidate expresses their interest in RPL and discusses their suitability with DIT trainer. If suitable, they are sent a Candidate Kit.</p> <p>Candidate completes the RPL Candidate Kit to confirm they are able to provide required evidence for RPL and then if they wish to progress their application, fills in the application form provided in the kit and returns it to DIT.</p> <p>The application is reviewed for suitability.</p> <p>If suitability is confirmed, the candidate is enrolled.</p> <p>The assessor then makes arrangements to meet with the candidate to conduct the first interview and begins assessing skills and knowledge using the RPL Assessor Kit. An evidence plan is developed during this meeting.</p> <p>The assessor then contacts professional referees to confirm the candidate's skills, work experience and knowledge, and records findings in the RPL Assessor Kit</p> <p>The assessor conducts further interviews and practical assessments as required.</p> <p>A decision is made about whether RPL will be granted for each unit and this is recorded in the Assessor's Kit.</p> <p>Arrangements for gap training are made if required</p> <p>Feedback is collected from each candidate in relation to the RPL process.</p> <p>RPL Tools</p> <p>There are 2 tools used to form assessment decisions for each RPL Enrolment:</p> <p>The RPL Candidate Kit – to be completed by the student</p> <p>The RPL Assessor's Kit - to be completed by DIT's trainer/assessor.</p> <p><b>Granting RPL may affect course fees as well as the duration of Student visa.</b></p>
<p><b>How to apply</b></p>	<p>If you would like to enroll into this course, please contact our office to obtain a Student Enrolment Form.</p> <p>Phone: 1300 420 156 (from Australia), +61 421 196 622 (from Overseas)</p> <p>email: info@dit.edu.au</p> <p>Please fill out all sections in the Student Enrolment Form and return through email or through post to:</p> <p>Post: 37 Gregory St, Parap, Darwin (Northern Territory), NT 0820</p> <p>Once we receive your completed forms, we will contact you to arrange an entry interview.</p>

**If you would like to discuss this course in more detail, please call us for a confidential discussion on +61 421 196 622.**

**This course outline should be read in conjunction with DIT's Student Handbook**