ICT60220

Advanced Diploma of
Information Technology
(Management Focus)

About this course

Build a blend of complementary IT and business skills that can help you launch or advance a career as an IT Manager, Business Analyst or IT Project Manager. By the end of this course, you'll be equipped to lead IT teams, manage the development of IT solutions and oversee IT projects. If you're a graduate of the Diploma of Information Technology, this course could be a great next step for you.

What will I learn?

- **Discover how to perform a client requirements analysis for an IT project**
- **Build your understanding of how to accomplish set IT project objectives by developing or purchasing IT hardware and software**
- **Build your skills in using interactive web design techniques to develop user-friendly mobile and web interfaces**
- **Grow your understanding of using a range of development methodologies such as Agile, Scrum, Waterfall and DevOps**
- **Discover best practices for negotiating IT contracts and managing the performance of IT teams**
- **Learn how to analyse the latest cyber security threats impacting businesses and build employees' awareness of cyber security best practices**

Career Opportunities

- IT Manager
- IT Consultant
- Business Analyst
- Network Specialist
- Systems Analyst
- IT Project Manager

What are the entry requirements

International students:

- Have completed Australian Year 12 or equivalent
- IELTS 6.0 English language equivalence if a non-native English speaker
- Be at least 18 years of age
- Have technological literacy (ability to use and access a computer with word processing applications)

Course Overview

Qualification
Advanced Diploma

CRICOS code
105626D

Study mode
Blended learning

Duration
104 Weeks

Units
16 Units of Competency

Course Units

Unit code	Unit name	What you'll learn
ICTPMG617	Plan and direct complex ICT projects	Build your skills in driving complex IT projects from design to implementation and finalisation. Learn how to identify a project's strategic context and requirements, and document the project specifications, timelines, budgets and critical path. Also develop your ability to assemble an IT project team, monitor team member performance and wrap up the project by debriefing the team and preparing a project report.
BSBXCS402	Promote workplace cyber security awareness and best practices	In this unit, you'll explore the latest cyber security threats and trends impacting organisations. You'lllearn how to assess employees' understanding of cyber security practices. You'll also discover how to improve your coworkers' understanding of cyber security threats and practical ways they can be minimised or avoided.
ICTSAD508	Develop technical requirements for business solutions	Explore how to develop technical requirements for IT solutions. Learn how to document internal and external technical environments and prepare impact statements. Also build your skills in calculating costs, determining security requirements, implementing software for testing purposes and validating testing results.
ICTPRG605	Manage development of technical solutions from business specifications	Discover how to develop IT solutions that align with a client's specifications. In this unit, you'lldevelop your understanding of various technologies including Internet Protocol (IP) network configuration, data encryption, radio frequency identification (RFID) hardware, optical networks and development platforms for building and deploying applications. You'll also gain skills in determining business requirements and producing technical business solutions.
ICTSAD609	Plan and monitor business analysis activities in an ICT environment	Build your ability to undertake business analysis activities for medium and large organisations. Discover how to determine business analysisdeliverables, tasks and estimates. Then document a scope of work, establish a requirements repository, perform business analysis and recommend preventative or corrective actions.
ICTICT612	Develop contracts and manage contract performance	Learn how to negotiate and document contractual arrangements between clients and vendors. Then monitor and manage performance against agreed contractual obligations. By the end of this unit, you'll be able to document contract boundaries, respond to unsatisfactory vendor performance and propose recommendations for contractual variations.
ICTICT608	Interact with clients on a business level	By studying this unit, you'll gain valuable skills in interacting with IT clients at a management level. You'll build your ability to review a client's business domain, research client service needsand propose opportunities for new business. You'llalso discover how to present clear, concise and engaging client proposals. Then negotiate terms with the client, monitor progress in achieving new client initiatives and use strategies to maintainpositive client relationships.
ICTICT522	Evaluate vendor products and equipment	Discover how to test a range of vendor products and equipment options for an organisation, such as different software and hardware. In this unit, you'll learn how to a develop a representative range of vendor options based on an organisation's requirements. Then implement a testing regime, undertake a cost-benefit analysisand prepare an evaluation report.

Course Units

Unit code	Unit name	What you'll learn
ICTSAD507	Design and implement quality assurance processes for business solutions	Build your skills in ensuring business solutions achieve quality performance expectations. Learn how to plan a business quality assurance process, develop quality policies and apply quality performance guidelines. By the end of this unit, you'll be able to record system breakdowns and take corrective action to improve quality performance.
ICTSUS603	Integrate sustainability in ICT planning and design projects	Learn how to consider environmental responsibility when planning and implementing IT projects. For example, these projects may involve upgrades to equipment hardware and software and installations of next generation networks (NGN) using emerging technologies. Build your skills in gathering data on equipment power consumption and preparing energy audits. Also discover how to calculate potential energy savings, carbon dioxide emissions and payback periods.
BSBTWK502	Manage team effectiveness	Develop key leadership skills you need to effectively manage IT teams. Discover how to prepare team performance plans, promote team member accountability and resolve work performance problems. Also learn how to take corrective action address concerns and problems raised by internal and external stakeholders.
ICTWEB513	Build dynamic websites	In this unit, you'll build your understanding of dynamic websites that change their content based on people's interactions, preferences and other variables. For example, dynamic websites can show real-time updates and personalisedrecommendations. By the end of this unit, you'llunderstand how to create User Interface (UI) prototypes for websites, then develop and test dynamic websites.
BSBCRT611	Apply critical thinking for complex problem solving	Build your ability to develop solutions to complex IT issues. In this unit, you'll discover how you canuse problem solving frameworks to develop structured and innovative IT solutions. You'll also gain hands-on skills in facilitating ideation sessions, preparing solution briefs and developing feedback registers.
ICTSAS602	Implement change management processes	Gain the skills you need to plan, implement and monitor IT system changes for an organisation. Learn how to adapt IT systems for changing user and business patterns, document a change management plan and determine industry IT benchmarks. Also build your ability to maintainversion controls and assess the outcomes of ICT system changes against set benchmarks.
ICTICT618	Manage IP, ethics and privacy in ICT environments	Learn how to manage issues relating to Intellectual Property (IP), copyright and privacy in IT environments, including through the use of IT security systems. Build your understanding of important laws that IT managers need to know. Also develop your ability to enhance organisational policies relating IP, ethical conductand privacy.
ICTICT613	Manage the use of development methodologies	Discover a range of frameworks used by IT teams to guide them through the planning, building, testing and deploying of software and IT systems. In this unit, you'll build your knowledge of a range of popular development methodologies such as Agile, Scrum, Waterfall and DevOps. You'll also develop your ability to evaluate and apply different development methodologies to IT projects.