Australian Government

ICA60111 Advanced Diploma of Information Technology

Release 2

INDUSTRY
SKILLS
COUNCILS
Creating Australia's Future

ICA60111 Advanced Diploma of Information Technology

Modification History

Release	Comments
Release 2	*This version first released with ICA11 Information and Communications Technology Training Package Version 2.* Addition of new unit of competency to Elective Group C.
Release 1	This Qualification first released with *ICA11 Information and Communications Technology Training Package version 1.0*

Description

This qualification provides high level information and communications technology (ICT), process improvement and business skills and knowledge to enable an individual to be effective in senior ICT roles within organisations. The qualification builds on a base core of management competencies, with specialist and general elective choices to suit particular ICT and business needs, especially in the areas of knowledge management and systems development.

Job roles
Possible job titles relevant to this qualification include:

- knowledge management analyst
- knowledge manager
- manager, IT infrastructure solutions
- business development manager
- software manager.

Pathways Information

Pathways into the qualification
Preferred pathways for candidates considering this qualification include:

- after achieving any ICA11 Diploma qualification or other relevant Diploma

OR

- with demonstrated vocational experience in a range of work environments in senior information technology or systems roles, including analyst or designer.

Pathways from the qualification
ICA11 Vocational Graduate Certificate qualifications or other higher education sector qualifications.

Licensing/Regulatory Information

There is no link between this qualification and licensing, legislative or regulatory requirements. However users should confirm requirements with the relevant federal, state or territory authority. There may be some alignment with industry standard certification competencies.

Entry Requirements

There are no entry requirements for this qualification.

Employability Skills Summary

The following table contains a summary of the employability skills required by industry for this qualification. The employability skills facets described here are broad industry requirements that may vary depending on qualification packaging options.

Employability skill	Industry/enterprise requirements for this qualification
Communication	• articulating complex scenarios in a clear, concise manner relevant to all levels of an organisation • researching, analysing and evaluating information from a range of sources • writing and presenting complex reports for specific business purposes using a range of methodologies and media
Teamwork	• managing group facilitation and presentation skills in relation to transferring and collecting information • reviewing strategy with key stakeholders
Problem-solving	• developing controls and contingencies to alleviate security threats • taking corrective action on system implementation breakdowns • implementing a change management strategy for an organisation • managing evolving complex scenarios of access and security
Initiative and enterprise	• developing new strategies, criteria, applications, knowledge and procedures • generating innovative ideas through the analysis of multiple sources of information and concepts • anticipating and responding to client business needs
Planning and organising	• managing the execution of complex project plans • planning for controls and contingencies when designing systems
Self-management	• taking accountability and responsibility for self and others in achieving work outcomes • taking responsibility for own outputs in relation to broad quantity and quality parameters
Learning	• keeping abreast of current industry-accepted practices, and hardware and software products, including broad knowledge of their security features and capabilities • engaging in peer professional development activities
Technology	• managing implementation of technology needs • assessing the technological capability of various products against architecture requirements and deciding on the best IT solution

	• estimating current and future capacity against a client's future requirements and devising and implementing a business strategy to suit

Packaging Rules

Total number of units = 16
5 core units plus
11 elective units, of which:

- 5 units must be from one of the following specialist elective groups:
    - Group A Knowledge management
    - Group B Systems development
- of the remaining units:
    - up to 6 units may be from the specialist elective groups below or from Group C general elective units
    - up to 3 units may be from elsewhere in ICA11 or any other Training Package or accredited course at Diploma level or above.

The elective units chosen must be relevant to the work outcome and meet local industry needs.

Core units
BSBWOR502B Ensure team effectiveness
ICAICT608A Interact with clients on a business level
ICAICT610A Manage copyright, ethics and privacy in an IT environment
ICAPMG609A Plan and direct complex IT projects
ICTSUS6233A Integrate sustainability in ICT planning and design projects

Elective units

Specialist elective units
Group A Knowledge management
ICADBS501A Monitor and improve knowledge management system
ICADBS601B Build a data warehouse
ICADBS602A Develop a knowledge management strategy
ICAICT604A Identify and implement business innovation
ICAICT605A Implement a knowledge management strategy

Group B Systems development
ICAICT508A Evaluate vendor products and equipment
ICAICT602A Develop contracts and manage contracted performance
ICAPRG604A Create cloud computing services
ICASAD504A Implement quality assurance processes for business solutions
ICASAD505A Develop technical requirements for business solutions

ICASAS601A Implement change-management processes

General elective units
Group C
BSBINN601B Manage organisational change
BSBMGT608C Manage innovation and continuous improvement
ICADBS603B Determine suitability of database functionality and scalability
ICAICT601A Develop IT strategic and action plans
ICAICT603A Manage the use of appropriate development methodologies
ICAICT606A Develop communities of practice
ICAICT609A Lead the evaluation and implementation of current industry-specific technologies
ICANWK601A Design and implement a security system
ICANWK616A Manage security, privacy and compliance of cloud service deployment
ICAPMG606A Manage IT project quality
ICAPRG601A Develop advanced mobile multi-touch applications
ICAPRG602A Manage the development of technical solutions from business specifications
ICASAD602A Conduct knowledge audits