

AQF LEVEL	AQF LEVEL 7 CRITERIA – BACHELOR DEGREE	PROGRAM LEARNING OUTCOMES
PURPOSE	The Bachelor Degree qualifies individuals who apply a broad and coherent body of knowledge in a range of contexts to undertake professional work and as a pathway for further learning.	
KNOWLEDGE	<p>Graduates of a Bachelor Degree will have a broad and coherent body of knowledge, with depth in the underlying principles and concepts in one or more disciplines as a basis for independent lifelong learning.</p>	<p>Graduates of the Bachelor of Cyber Security will have a broad and coherent body of Information and Communication Technology (ICT) knowledge, with depth in the underlying principles and concepts in the Cyber Security discipline as a basis for independent lifelong learning.</p> <p>The categories of the ICT core body of knowledge (CBOK) (as defined by the Australian Computer Society) are:</p> <ul style="list-style-type: none"> • ICT problem solving. This is the knowledge of how to use modelling methods and processes to understand problems, handle abstraction and design solutions • Professional knowledge. This includes ethics, professionalism, teamwork concepts and issues, interpersonal communication, societal issues/legal issues/privacy, history and status of discipline • Technology building. This includes programming, human-computer interaction, systems development, and systems acquisition • Technology resources. This includes hardware and software fundamentals, data and information management, and networking • Services management. This includes service management, and security management • Outcome management. This includes IT governance, IT project management, change management, and security policy.

SKILLS

Graduates of a Bachelor Degree will have:

- cognitive skills to review critically, analyse, consolidate and synthesise knowledge
- cognitive and technical skills to demonstrate a broad understanding of knowledge with depth in some areas
- cognitive and creative skills to exercise critical thinking and judgement in identifying and solving problems with intellectual independence
- communication skills to present a clear, coherent and independent exposition of knowledge and ideas

Graduates of the Bachelor of Information Technology will have:

- cognitive skills to review critically, analyse, consolidate and synthesise ICT CBOK
- cognitive and technical skills to demonstrate a broad understanding of knowledge of all areas of ICT, with depth in technical skill in one or more areas
- creative and problem solving skills to systematically investigate, define and resolve complex problems with intellectual independence
- cognitive, creative and management skills to plan and manage ICT projects and allocate resources
- critical thinking skills to analyse and makes decisions which influence the success of projects and team objectives
- communication skills in oral and written presentations, technical report writing, writing user documentation, to present a clear, coherent and independent exposition of knowledge and ideas
- professional skills to enable effective interpersonal communication and being able to work in groups.

**APPLICATION OF
KNOWLEDGE &
SKILLS**

Graduates of a Bachelor Degree will demonstrate the application of knowledge and skills:

- with initiative and judgement in planning, problem solving and decision making in professional practice and/or scholarship
- to adapt knowledge and skills in diverse contexts
- with responsibility and accountability for own learning and professional practice and in collaboration with others within broad parameters

Graduates of the Bachelor of Information Technology will demonstrate the application of knowledge and skills:

- with initiative and judgement in planning, problem solving and decision making in professional practice and/or scholarship
- to adapt knowledge and skills in diverse contexts
- with responsibility and accountability for own learning and professional practice and in collaboration with others within broad parameters.

Specific skills are defined in the Skills Framework for the Information Age (SFIA) and grouped in terms of autonomy, influence, complexity, and business skills as described below:

- Autonomy:
 - o Work as an ICT professional under general direction within a clear framework of accountability
 - o Exercises substantial personal responsibility and autonomy
 - o Plans own work to meet given objectives and processes.
- Influence:
 - o Influences team and specialist peers internally
 - o Influences customers at account level and suppliers
 - o Take some responsibility for the work of others and for the allocation of resources
 - o Participates in external activities related to own specialism
 - o Makes decisions which influence the success of projects and team objectives.
- Complexity:
 - o Performs a broad range of complex technical or professional work activities, in a variety of contexts
 - o Investigates, defines and resolves complex problems.
- Business/Professional skills:
 - o Selects appropriately from applicable standards, methods, tools and applications
 - o Demonstrates an analytical and systematic approach to problem solving
 - o Communicates fluently orally and in writing, and can present complex technical information

	<p>to both technical and non-technical audiences</p> <ul style="list-style-type: none">o Facilitates collaboration between stakeholders who share common objectiveso Plans, schedules and monitors work to meet time and quality targets and in accordance with relevant legislation and procedureso Rapidly absorbs new technical information and applies it effectivelyo Has a good appreciation of the wider field of information systems, their use in relevant employment areas and how they relate to the business activities of the employer or cliento Maintains an awareness of developing tech
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