

AQF LEVEL	AQF LEVEL 8 CRITERIA – BACHELOR HONOURS DEGREE	PROGRAM LEARNING OUTCOMES
PURPOSE	The Bachelor Honours Degree qualifies individuals who apply a body of knowledge in a specific context to undertake professional work and as a pathway for research and further learning	
KNOWLEDGE	Graduates of a Bachelor Honours Degree will have coherent and advanced knowledge of the underlying principles and concepts in one or more disciplines and knowledge of research principles and methods	Graduates of the Bachelor of Computer Science (Honours) degree will have a broad and coherent body of knowledge in the area of computer science and computer programming and knowledge of the research principles and methods relevant to computer science. They will have depth in the underlying principles and concepts in computer science and professional standards to undertake research projects in at least one area of computer science and practice as a basis for independent lifelong learning.
SKILLS	<p>Graduates of a Bachelor Honours Degree will have:</p> <ul style="list-style-type: none"> • cognitive skills to review, analyse, consolidate and synthesise knowledge to identify and provide solutions to complex problems with intellectual independence • cognitive and technical skills to demonstrate a broad understanding of a body of knowledge and theoretical concepts with advanced understanding in some areas • cognitive skills to exercise critical thinking and judgement in developing new understanding • technical skills to design and use research in a project • communication skills to present a clear and coherent exposition of knowledge and ideas to a variety of audiences 	<p>Graduates of the Bachelor of Computer Science (Honours) will have:</p> <ul style="list-style-type: none"> • cognitive skills to review critically, analyse, consolidate and synthesise knowledge in the specific area of computer science; • cognitive and technical skills to demonstrate a broad understanding of knowledge with depth in the areas of software and application development, computer algorithms, data science and artificial intelligence; • cognitive and creative skills to exercise critical thinking and judgment in identifying and solving computational problems with intellectual independence; • skills to comprehend written and verbal communication and present a clear, coherent and independent exposition of research projects to a range of audiences by both writing and orally. • advanced technical competencies in a discipline of computer science and the capacity to undertake postgraduate research.

**APPLICATION OF
KNOWLEDGE &
SKILLS**

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

- with initiative and judgement in professional practice and/or scholarship
- to adapt knowledge and skills in diverse contexts
- with responsibility and accountability for own learning and practice and in collaboration with others within broad parameters
- to plan and execute project work and/or a piece of research and scholarship with some independence

Graduates of a Bachelor of Computer Science (Honours) will be able to demonstrate the application of knowledge and skills:

- with initiative and judgment in planning, problem solving and decision making in professional practice including analysis, design, implementation and maintenance of software technologies both individually and in teams in the development of software products and computing technologies;
- to adapt knowledge and skills to solving new computational research problems or creating new software technologies across a wide array of application areas, by using appropriate abstraction and system modelling, and design methodologies;
- with responsibility and accountability for own learning and professional practice and in collaboration with others in response to rapidly changing technology as part of lifelong learning.