

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	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.	Graduates of the Bachelor of Biomedical Science will have: <ul style="list-style-type: none"> • a broad and coherent body of knowledge that underpins the theories and practices of biomedical science and their application to career pathways in medicine, medical research, the bioscience industries and the allied healthcare professions • depth in the underlying principles and concepts across a range of scientific disciplines, especially across the more specialist biomedical disciplines of cell biology and genetics, anatomy and physiology, organic chemistry, biochemistry and metabolism, immunology, molecular biology, microbiology and infectious disease, neuroscience, and pharmacology • knowledge necessary for further vocational training or postgraduate studies in the biomedical sciences and related fields including progression into a postgraduate research program, a postgraduate coursework Masters program or a Graduate Medicine program • awareness and an appropriate level of knowledge and understanding of workplace health and safety requirements with respect to standard biomedical laboratory and workplace practices • an ability to recognise and analyse current and emerging ethical issues that arise in the biomedical and medical sciences. 	
SKILLS	Graduates of a Bachelor Degree will have: <ul style="list-style-type: none"> • 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 	Graduates of the Bachelor of Biomedical Science will have the cognitive, technical and communication skills to: <ul style="list-style-type: none"> • review, critically analyse and interpret the scientific literature in the broad discipline of biomedical science • synthesise and integrate knowledge for the purpose of deep learning in the biomedical, medical and allied biosciences • exhibit a high level of scientific literacy and communication to understand and explain scientific issues to peers, scientific non-experts and the general community 	

**APPLICATION OF
KNOWLEDGE &
SKILLS**

<ul style="list-style-type: none"> • 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 	<ul style="list-style-type: none"> • apply recognized methods of biomedical science with appropriate practical techniques and tools for the processes of scientific discovery and independent scientific inquiry • demonstrate personal and social responsibility by working collaboratively and responsibly in individual and team work environments. • demonstrate a broad understanding of knowledge in biomedical science practices • interpret and convey scientific and biomedical information in a clear and coherent manner.
<p>Graduates of a Bachelor Degree will demonstrate the application of knowledge and skills:</p> <ul style="list-style-type: none"> • 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 	<p>Graduates of the Bachelor of Biomedical Science will demonstrate the application of knowledge and skills by:</p> <ul style="list-style-type: none"> • exhibiting initiative, responsibility and accountability for their own learning through independent self-management and in collaboration with others within broad workplace parameters • exhibiting well developed cognitive and creative skills to exercise critical thinking and judgement to solve problems within the changing contexts of biomedical and related medical science fields • developing, applying, integrating and generating biomedical scientific knowledge in professional contexts to critically analyse problems and challenges and to create effective solutions • collecting, organising, analysing and interpreting biomedical scientific data meaningfully with the use of experimental, computational and technological approaches.