| AQF LEVEL | AQF LEVEL 7 CRITERIA – BACHELOR DEGREE | PROGRAM LEARNING OUTCOMES |
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| 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. | The discipline specific outcomes from the Bachelor of Pharmacology and Toxicology provides the base knowledge for entry into the pharmaceutical industry.<br><br>Graduates of this program will have broad knowledge of:<br>• essential facts, concepts, principles and theories relating to anatomy, biology and microbiology, biochemistry, chemistry, epidemiology, mathematics and statistics, pathophysiology, physiology, medicinal chemistry, pharmaceutics, and pharmacology.<br><br>Graduates of this program will have in-depth knowledge of:<br>• the pharmaceutical sciences including medicinal chemistry, pharmacology, microbiology, pharmaceutics and drug discovery and development<br>• law and ethics and research methodology relevant to the pharmacy profession<br>• the global pharmaceutical industry and different registration/legal requirements around the world. |
| SKILLS | Graduates of a Bachelor Degree will have:<br>• cognitive skills to review critically, analyse, consolidate and synthesise knowledge<br>• cognitive and technical skills to demonstrate a broad understanding of knowledge with depth in some areas | Graduates of the Bachelor of Pharmacology and Toxicology will have the cognitive skills to be able to:<br>• make critical judgements about new technologies and developments in the pharmaceutical sciences<br>• interpret chemical structure and how this relates to pharmacological activity<br>• interpret scientific data and translate this into the potential impact on activities in their area of pharmaceutical industry<br>• interpret dose-concentration relationships and how these relate to physiological processes. |

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| | • cognitive and creative skills to exercise critical thinking and judgement in identifying and solving problems with intellectual independence<br>• communication skills to present a clear, coherent and independent exposition of knowledge and ideas | The cognitive, creative and technical skills to:<br>• design, and test the effectiveness of new drugs<br>• design analytical methodologies to solve pharmaceutical problems<br>• master a range of analytical and practical skills and techniques relevant to pharmaceutical research.<br>The communication skills to:<br>• work effectively in teams<br>• communicate effectively with pharmaceutical industry, clinicians and other health care professionals from diverse cultural backgrounds and other professions. |
| **APPLICATION OF KNOWLEDGE & SKILLS** | Graduates of a Bachelor Degree will demonstrate the application of knowledge and skills:<br>• with initiative and judgement in planning, problem solving and decision making in professional practice and/or scholarship<br>• to adapt knowledge and skills in diverse contexts<br>• with responsibility and accountability for own learning and professional practice and in collaboration with others within broad parameters | Graduates of the Bachelor of Pharmacology and Toxicology will be able to:<br>• address new challenges by applying appropriate experimental design, data analysis and scientific thinking using evidence-based approaches in the areas of manufacturing, sales and marketing, clinical trials, research and development, regulatory affairs, pharmacovigilance and drug information<br>• adapt their knowledge of existing technologies in the pharmaceutical sciences to new developments in the industry<br>• communicate their findings ethically, with cultural understanding while recognising their own limitations, to pharmaceutical industry, clinicians and other health care professionals<br>• demonstrate self-motivation by continuing their studies and enhancing workplace-related skills in their area of pharmaceutical industry through a commitment to lifelong learning, research, scholarship and inter-professional collaboration. |