

AQF LEVEL	AQF LEVEL 7 CRITERIA – BACHELOR DEGREE		PROGRAM LEARNING OUTCOMES
<b>PURPOSE</b>	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.		
<b>KNOWLEDGE</b>	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 Industrial Design will have a broad and coherent knowledge and understanding of the underpinning engineering science, as well as the creative processes, the principles of user centred design and product development and prototyping, with depth in 3D design techniques especially for mechanical design and manufacture of sufficient depth to gain employment industry to conceptualize products and services and implement designs.	
<b>SKILLS</b>	Graduates of a Bachelor Degree will have: <ul style="list-style-type: none"> <li>• cognitive skills to review critically, analyse, consolidate and synthesise knowledge</li> <li>• cognitive and technical skills to demonstrate a broad understanding of knowledge with depth in some areas</li> <li>• cognitive and creative skills to exercise critical thinking and judgement in identifying and solving problems with intellectual independence</li> <li>• communication skills to present a clear, coherent and independent exposition of knowledge and ideas</li> </ul>	Graduates of the Bachelor of Industrial Design will have: <ul style="list-style-type: none"> <li>• the cognitive and technical skills and business acumen to use their technical knowledge to innovate new products and establish creative companies or to work as consultant designers</li> <li>• the communication skills to communicate and coordinate proficiently by listening, speaking, reading and writing English for professional practice, working as an effective member or leader of a team</li> <li>• the cognitive and creative skills to apply abstraction and discipline fundamentals to analysis, design and prototype, using appropriate computer software and/or laboratory equipment.</li> </ul>	

**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 Industrial Design will demonstrate the application of knowledge and skills:

- to analysis, design and prototype, using abstraction and discipline fundamentals, appropriate computer software, laboratory equipment and other devices.
- by adopting problem solving design and decision-making methodologies to address design problems, develop components, systems and/or processes to meet specified requirements, including innovative approaches to synthesise alternative solutions
- by managing own time and processes effectively by prioritising competing demands to achieve personal and team goals, with regular review of personal performance as a primary means of managing continuing professional development.