

AQF LEVEL	AQF LEVEL 9 CRITERIA – MASTERS DEGREE (COURSEWORK)		PROGRAM LEARNING OUTCOMES
PURPOSE	The Masters Degree (Coursework) qualifies individuals who apply an advanced body of knowledge in a range of contexts for professional practice or scholarship and as a pathway for further learning.		
KNOWLEDGE	Graduates of a Masters Degree (Coursework) will have: <ul style="list-style-type: none"> a body of knowledge that includes the understanding of recent developments in a discipline and/or area of professional practice knowledge of research principles and methods applicable to a field of work and or learning 	Graduates of the Master of Electronic and Sport Engineering will have: <ul style="list-style-type: none"> an advanced and in depth knowledge related to the complex body of knowledge related to the Electronic and Sport Engineering discipline, including specialised knowledge in signal and image processing, computing and real time processing areas, sport engineering and related topics, including recent developments in the Electronic and Sport Engineering field knowledge of research principles and methods applicable to their application of Electronic and Sport Engineering. 	
SKILLS	Graduates of a Masters Degree (Coursework) will have: <ul style="list-style-type: none"> cognitive skills to demonstrate mastery of theoretical knowledge and to reflect critically on theory and professional practice or scholarship cognitive, technical and creative skills to investigate, analyse and synthesise complex information, problems, concepts and theories and to apply established theories to different bodies of knowledge or practice cognitive, technical and creative skills to generate and evaluate complex ideas and concepts at an abstract level 	Graduates of the Master of Electronic and Sport Engineering will have: <ul style="list-style-type: none"> cognitive, reflective and investigative skills to demonstrate mastery of theoretical knowledge which will be developed in providing solutions for current engineering problems cognitive, technical and creative skills to be able to critically investigate how current theory and understanding can be applied to complex engineering problems cognitive, technical and creative skills to enable the generation of innovation solutions to electronic and sport engineering problems, creating abstract solutions communication and technical research skills to allow formulation and presentation and justification of electronic and sport engineering problem specifications and solutions to both general and specialist audiences technical and communication skills that partner with research skills to enable graduates to formulate, design, evaluate, implement analyse and theorise about new electronic and sport engineering processes, methods and products that contribute to engineering knowledge. 	

**APPLICATION OF
 KNOWLEDGE &
 SKILLS**

<ul style="list-style-type: none"> • communication and technical research skills to justify and interpret theoretical propositions, methodologies, conclusions and professional decisions to specialist and non-specialist audiences • technical and communication skills to design, evaluate, implement, analyse and theorise about developments that contribute to professional practice or scholarship 	
<p>Graduates of a Masters Degree (Coursework) will demonstrate the application of knowledge & skills:</p> <ul style="list-style-type: none"> • with creativity and initiative to new situations in professional practice and/or for further learning • with high level personal autonomy and accountability • to plan and execute a substantial research-based project, capstone experience and/or piece of scholarship 	<p>Graduate of the Master of Electronic and Sport Engineering will demonstrate the application of knowledge & skills:</p> <ul style="list-style-type: none"> • using creativity and innovativeness through the application of an advanced base of electronic and sport engineering knowledge and a familiarity with the solution creation process • with high level autonomy and accountability and with the leadership skills to lead a team to successful outcomes • with the ability to plan and execute a major research based project and capstone project, culminating in a major research thesis.