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: • 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 Energy Engineering will have: • an advanced and in depth understanding of a complex body of knowledge related to the Electronic and Energy Engineering discipline that includes the understanding of recent developments in this field • knowledge of research principles and methods applicable to their application of Electronic and Energy Engineering.
SKILLS	Graduates of a Masters Degree (Coursework) will have: • 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	Graduates of Master of Electronic and Energy Engineering will have: • cognitive, reflective and investigative skills to demonstrate mastery of Electronic and Energy theoretical knowledge and how this relates to solutions used for current engineering problems • cognitive, technical and creative skills to be able to critically investigate, analyse and synthesise 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 energy problems, creating an abstract solution • communication and technical research skills to allow formulation, present and justify problem specifications and solutions to both general and specialist audiences • technical and communication skills that partner with research skills to enable graduates to design, evaluate, implement, analyse and theorise about new electronic and energy processes, methods and products that contribute to engineering knowledge.

	level • 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	
APPLICATION OF KNOWLEDGE & SKILLS	Graduates of a Masters Degree (Coursework) will demonstrate the application of knowledge & skills: • 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	Graduates of Master of Electronic and Energy Engineering will demonstrate the application of knowledge and skills: • using creativity and innovativeness through the application of an advanced base of knowledge to design solutions to Electronic and Energy Engineering problems • with high level autonomy and accountability and with leadership skills to lead a project team to successful outcomes • with the ability to execute a substantial research based capstone project, culminating in a major research thesis.