

Enrolment Course Structure

Course Code – GMR9

Course Name – Master of Maintenance and Reliability Engineering

First Year	Unit Code	Unit Name	Unit Rules
Semester 1			
		MRE Specialisation	
		MRE Specialisation	
Semester 2			
		MRE Specialisation	
		MRE Specialisation	
Second Year	Unit Code	Unit Name	Unit Rules
Semester 1			
	MREGC5008	Maintenance and Reliability Engineering Project (ONLINE)	PR: At least 45 credit points from course GEM4 or GMR9
		MRE Specialisation	
Semester 2			
		MRE Specialisation	
		MRE Specialisation	
Third Year	Unit Code	Unit Name	Unit Rules
Semester 1			
		MRE Specialisation	
		MRE Specialisation	
Semester 2			
		MRE Specialisation	
		MRE Specialisation	

Students who are admitted with a three-year undergraduate degree must choose all the listed specialisation electives plus one unit from the elective list.

Students who receive up to 60 points unspecified credit for previous studies completed must complete seven specialisation electives from the list below.

Specialisation Electives

MREGC5001 TEROTECHNOLOGY AND LIFE CYCLE COSTS

MREGC5002 MAINTENANCE MANAGEMENT

MREGC5003 INDUSTRIAL TECHNIQUES IN MAINTENANCE MANAGEMENT

MREGC5004 ASSET MANAGEMENT TECHNIQUES

MREGC5006 MACHINE CONDITION MONITORING AND FAULT DIAGNOSIS

MREGC5007 RISK ENGINEERING

MREGC5101 BASIC QUANTITATIVE SKILLS FOR RELIABILITY ENGINEERING (Exclusion MREGC5005)

MREGC5102 UNDERSTANDING RELIABILITY

MREGC5103 ADVANCED RELIABILITY

MREGC5104 RELIABILITY APPLICATIONS

Electives

ITECH5402 ENTERPRISE SYSTEMS

ITECH5404 BUSINESS PROCESS ANALYTICS AND CHANGE

Additional Information

This course structure applies to students commencing from 2025. Students who commenced prior to 2025 should refer to the continuing enrolments page.

TEQSA have advised that, in accordance with B1.1.3 of [Higher Education Standards Framework \(Threshold Standards\) 2021](#) all Higher Education Providers are required to show their TEQSA Provider number and Provider Category on all relevant public material. ITS have ensured that our website and email signature templates have been amended to ensure compliance and have provided a knowledge article to assist you to update your signatures. Marketing are working to update the brand library and all social media accounts.

Glossary

Semester: designated teaching period.

PR: Pre-requisite, a unit/s that must be completed prior to undertaking another unit.

CO: Co-requisite, a unit/s that must be completed simultaneously, or prior to, undertaking another unit.

EX: Exclusion, a unit/s that may not be taken.