

# Enrolment Program Structure

**Program Code – GMR9**

**Program Name – Master of Maintenance and Reliability Engineering**

Course Code	Course Name
<b>First Year Semester 1</b>	
Elective	MRE Specialisation 1
Elective	MRE Specialisation 1
<b>First Year Semester 2</b>	
Elective	MRE Specialisation 1
Elective	MRE Specialisation 1
<b>Second Year Semester 1</b>	
Elective	MRE Specialisation 1
Elective	MRE Specialisation 1
<b>Second Year Semester 2</b>	
Elective	MRE Specialisation 1
Elective	MRE Specialisation 1
<b>Third Year Semester 1</b>	
Elective	MRE Specialisation 1
MREGC 5008	Maintenance and Reliability Project
<b>Third Year Semester 2</b>	
Elective	MRE Specialisation 1
Elective	MRE Specialisation 1

## Electives

Students must complete electives from those listed below, noting that:

- students only complete seven electives if 60 points of credit has been granted for previous studies completed.
- only students articulating from the GEM4 Graduate Diploma in Engineering Maintenance Management or who have entered the course based on a three-year degree can choose a postgraduate management elective option\*.
  - MREGC5001 Terotechnology and lifecycle costs - Sem 1 (ONLINE)
  - MRGCE5002 Maintenance management - Sem 1 (ONLINE)
  - MREGC5003 Industrial techniques in maintenance management - Sem 2 (ONLINE)
  - MREGC5004 Asset management techniques - Sem 2 (ONLINE)
  - MREGC5005 Quantitative techniques for asset management (not required if MREGC5101 is studied) - Sem 1 (ONLINE)
  - MREGC5006 Machine condition monitoring and fault diagnosis - Sem 2 (ONLINE)
  - MREGC5007 Risk engineering - Sem 2 (ONLINE)
  - MREGC5101 Basic quantitative skills (not required if MREGC5005 is studied) - Sem 1 (ONLINE)
  - MREGC5102 Understanding reliability - Sem 1 (ONLINE)
  - MREGC5103 Advanced reliability - Sem 2 (ONLINE)
  - MREGC5104 Reliability applications - Sem 2 (ONLINE)
  - a postgraduate management elective (\*BUMGT5921 Organisations: Behaviour, Structure and Processes - Sem 1 (ONLINE)

\* only for students articulating from GEM4 Graduate Diploma in Engineering Maintenance Management)

## Additional Information

This structure applies to all students.