

## Enrolment Course Structure

Course Code – EY9.MEC

Course Name – Master of Engineering Technology (Mechanical Engineering)

First Year	Unit Code	Unit Name	Unit Rules
Semester 1			
	ENGIN2301	Mechanics of Solids	<b>PR:</b> ENGIN1005 for undergraduate Students only <b>EX:</b> ENCOR2030
	ENGIN3302	Introduction to Vibration Analysis	<b>PR:</b> ENGIN2302 for undergraduate Students only <b>EX:</b> ENMEC3120
	ENGIN3404	System Dynamics and Control	<b>PR:</b> MATHS3001 for undergraduate Students only <b>EX:</b> ENMEC3500 & ENMTX3040
	ENGIN5302	Modelling and Simulation	<b>PR:</b> ENGIN2301 for undergraduate Students only <b>EX:</b> ENCOR4050
Semester 2			
	ENGIN3001	Engineering Research Methodology and Management	<b>EX:</b> ENCOR4010 & ENMTX4060
	ENGIN3304	Thermodynamics	<b>PR:</b> ENGIN2304 for undergraduate Students only
	ENGIN5304	Advanced Robotics	<b>EX:</b> ENMEC7080
	MREGC5003	Industrial Techniques in Maintenance Management	
Second Year	Unit Code	Unit Name	Unit Rules
Semester 1			
	ENGIN5002	Advanced Engineering Project 1	<b>PR:</b> ENGIN3001 or ENGIN5001 <b>EX:</b> ENCOR7020
	ENGIN4301	Machine Dynamics and Vibration	<b>PR:</b> ENGIN3302 or Equivalent
Winter Semester			
	ENGIN5301	Machine System Design	
Semester 2			
	ENGIN4302	Energy Conversion	<b>PR:</b> ENGIN3304
	ENGIN5003	Advanced Engineering Project 2	<b>PR:</b> ENGIN5002 <b>EX:</b> ENCOR7030
	ENGIN5405	Advanced Control Systems Engineering	<b>PR:</b> ENGIN3404 or ENMTX3040 <b>EX:</b> ENMTX4020

## Additional Information

This course structure applies to students commencing from 2024. Students who commenced prior to 2024 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.