

## Enrolment Course Structure

Course Code – EY9.MEC

Course Name – Master of Engineering Technology (Mechanical Engineering)

First Year	Unit Code	Unit Name	Unit Rules
<b>Semester 1</b>			
	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
	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
<b>Semester 2</b>			
	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
<b>Semester 1</b>			
	ENGIN5301	Machine System Design	
	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
<b>Semester 2</b>			
	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 continuing students.

### 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.