

Enrolment Program Structure

Program Code – EY9.MEC

Program Name – Master of Engineering Technology (Mechanical Engineering)

First Year	Course Code	Course Name	Course Rules
Semester 1			
	ENGIN2301	Mechanics of Solids	PR: ENCOR1000 or ENCOR1021 or ENGIN1005 EX: ENCOR2030
	ENGIN3302	Introduction to Vibration Analysis	PR: ENGIN2302 or ENMEC2001 EX: ENMEC3120
	ENGIN3404	System Dynamics and Control	PR: MATHS3001 or MATHS3040 EX: ENMEC3500 and ENMTX3040
	ENGIN5302	Modelling and Simulation	PR: MATHS3001 or MATHS3040 and ENGIN2301 EX: ENCOR4050
Semester 2			
	ENGIN3001	Engineering Research Methodology and Management	PR: ENCOR1005 or ENGIN1001 EX: ENCOR4010 and ENMTX4060
	ENGIN3304	Thermodynamics	PR: ENCOR2100 or ENGIN2304 EX: ENMEC3071
	ENGIN5304	Advanced Robotics	EX: ENMEC7080
	MREGC5003	Industrial Techniques in Maintenance Management	
Second Year	Course Code	Course Name	Course Rules
Semester 1			
	ENGIN5301	Machine System Design	PR: ENCOR2030 or ENGIN2301 and ENGIN3002 or ENMEC2120 EX: ENMEC3250 and ENMEC7030
	ENGIN5002	Advanced Engineering Project 1	PR: ENGIN3001 or ENGIN5001 EX: ENCOR7020
	ENGIN4301	Machine Dynamics and Vibration	PR: ENGIN3303 or ENMEC4160 EX: ENMEC4060
Semester 2			
	ENGIN4302	Energy Conversion	PR: ENGIN3304 or ENMEC3071 EX: ENMEC4090
	ENGIN5003	Advanced Engineering Project 2	PR: ENGIN5002 EX: ENCOR7030
	ENGIN5405	Advanced Control Systems Engineering	PR: ENGIN3404 or ENMTX3040 EX: ENMTX4020

Additional Information

This program structure applies to all students.

Glossary

Semester: designated teaching period.

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

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

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