

Program Code – EY9.MEC

Program Name – Master of Engineering Technology (Mechanical Engineering)

Course Code	Course Name	Course Rules
First Year 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
First Year 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	PR: Nil EX: ENMEC7080
MREGC5003	Industrial Techniques in Maintenance Management	PR: Nil
Second Year 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
Second Year 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 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.

Essential Equipment

You are required to obtain specific PPE for your program, and will not be able to commence lab classes without this essential safety equipment.

- ✓ Safety glasses
- ✓ Steel-cap safety boots

The required PPE can be obtained from any sources, however it MUST be available for commencement of classes. The University has a local preferred supplier (details below) for the supply of PPE at reduced prices. Students are able to see them in person, email or fax to order the PPE at special university prices. Please find the reduced cost voucher form below.

For further information contact Hip Pocket Work Wear and Safety directly at 1265 Howitt St, Wendouree VIC 3355, via telephone (03) 5339 5446, email: corporate@hippocketballarat.com.au or fax: (03) 5339 6504.