

Enrolment Program Structure

Program Code – GM8

Program Name – Bachelor of Mechatronic Systems Engineering (Honours)

First Year	Course Code	Course Name	Course Rules
Semester 1			
	ENGIN1001	Professional Engineering	EX: ENCOR1005
	ENGIN1002	Engineering Physics	EX: ENCOR1021 and ENCOR2100
	ENGIN1003	Materials in Engineering	EX: ENCOR1110
	MATHS1001	Modelling and Change (Introductory Level)	
Semester 2			
	ENGIN1004	Engineering Design & Drafting	EX: ENCOR1010
	ENGIN1005	Engineering Mechanics	EX: ENCOR1110 and ENCOR1021
	ENGIN1006	Engineering Computer Modelling	EX: ENCOR1021
	MATHS1005	Secrets of the Matrix	
Second Year	Course Code	Course Name	Course Rules
Semester 1			
	ENGIN2001	Professional Practice	PR: ENGIN1001 or ENCOR1005 EX: ENCOR3035
	ENGIN2101	Digital Logic and Design	PR: ENGIN1002
	ENGIN2402	Measurement and Computer Instrumentation	PR: ENCOR1000 or ENCOR1021 or ENGIN1002 EX: ENMTX2020 and ETMEC3260
	ENGIN2403	Fluid and Pneumatic Control	PR: ENGIN1006 and ENCOR1000 or ENCOR1021 ENGIN1002 EX: ENMTX2030
	MATHS2016	Modelling Continuous Change	PR : MATHS1001
Semester 2			
	ENGIN2002	Engineering Project Management and Sustainable Design	PR: ENCOR1005 or ENGIN1001 EX: ENMEC2121 and ENMTX2050
	ENGIN2303	Mechanism and Machine Theory	PR: ENCOR1000 or ENCOR1021 or ENGIN1005 EX: ENMEC2111
	ENGIN2404	Electrical and Electronic Drives and Actuators	PR: ENCOR1000 or ENCOR1021 or ENGIN1002



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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.

