

BB-EMEBUS3 Bachelor of Engineering (Mechanical) (Honours) / Bachelor of Business

Recommended Study Sequence (September Intake) 2020

Year	Semester	Subject		Prerequisites	
		Unit Code	Unit of Study Title		
1	1 (Sept 2020)	ENG10003	Mechanics of Structures	Nil	
		ENG10004	Digital and Data Systems	Nil	
		MTH10013	Linear Algebra and Applications	Nil	
		PHY10004	Electronics and Electromagnetism	Nil	
	2 (Mar 2021)	ENG10001	Engineering, Design and Innovation	Nil	
		ENG10002	Engineering Materials	Nil	
		MTH10012	Calculus and Applications	Nil	
		PHY10001	Energy and Motion	Nil	
2	3 (Sept 2021)	MTH20011	Mathematics 4A	MTH10007 or (both MTH10013 & MTH10012)	
		MEE20005	Materials & Manufacturing 1	MEE10001 ^a or ENG10002	
		MEE20004	Structural Mechanics	CVE10004 or ENG10003	
		MEE20006	Machine Dynamics 1	(both MTH10007 & PHY10001) or MTH10013	
	4 (Mar 2022)	MEE20002	Computer Aided Engineering Mechanical	RME10001 OR ENG10001	
		MEE20003	Fluid Mechanics 1	MTH10007 or (both MTH10013 & MTH10012)	
		MEE20001	Thermodynamics	PHY10001	
		MTH20010	Mathematics 3A	MTH10007 or (both MTH10013 & MTH10012)	
	3	5 (Sept 2022)	MEE40001	Heat Transfer	MTH20007 or MTH20010
			MEE30004	Solid Mechanics	MEE20004
ACC10007			Financial Information for Decision Making (Business Unit 1)	Nil	
MKT10007			Fundamentals of Marketing (Business Unit 2)	Nil	
EAT20008		EAT20008	Professional Experience in Engineering*	EAT20008 Introductory Seminar	
6 (Mar 2023)		MEE30001	Materials and Manufacturing 2	MEE20005	
		MEE30003	Machine Design	MEE20004	
		ECO10004	Economic Principles (Business Unit 3)	Nil	
	INF10003	Introduction to Business Information Systems (Business Unit 4)	Nil		
4	7 (Sept 2023)	MEE40002	Mechanical Systems Design	MEE30003	
		MME30001	Engineering Management 1	100 CP	
			Business Unit 5		
			Business Unit 6		
	8 (Mar 2024)	MEE30002	Control Engineering	MTH20007 or MTH20011	
		MME40001	Engineering Management 2	100 CP	
			Business Unit 7		
			Business Unit 8		
5	9 (Sept 2024)	MEE40004	Fluid Mechanics 2	MEE20003	
		ENG40003	Final Year Research Project 1 (Eng/Bus)	350 CP & MKT10007, ECO10004, ACC10007 and INF10003	
			Business Unit 9		

			Business Unit 10	
10 (Mar 2025)	MEE40003	Machine Dynamics 2		MEE20006
	ENG40004	Final Year Research Project 2 (Eng/Bus)		ENG40003
		Business Unit 11		
		Business Unit 12		

*EAT20008 Professional Experience in Engineering is compulsory for all students. It MUST be taken before the last semester of study. EAT20008 Introductory Seminar is conducted at the beginning of every semester.

^a Either the MEE10001 Engineering Materials or MEE10001 Materials and Processes will fulfil the pre-requisite requirement for MEE20005 Materials & Manufacturing 1.