

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

Recommended Study Sequence (September Intake) 2019

Year	Semester	Subject		Prerequisites
		Unit Code	Unit of Study Title	
1	1 (Sep 2019)	ENG10003	Mechanics of Structures	Nil
		ENG10004	Digital and Data Systems	Nil
		MTH10013	Linear Algebra and Applications	Nil
		PHY10004	Electronics and Electromagnetism	Nil
	2 (Feb 2020)	ENG10001	Engineering, Design and Innovation	Nil
		ENG10002	Engineering Materials	Nil
		MTH10012	Calculus and Applications	Nil
		PHY10001	Energy and Motion	Nil
2	3 (Aug 2020)	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 (Feb 2021)	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 (Aug 2021)	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 (Feb 2022)	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 (Aug 2022)	MEE40002	Mechanical Systems Design	MEE30003
		MME30001	Engineering Management 1	100 CP
			Business Unit 5	
			Business Unit 6	
	8 (Feb 2023)	MEE30002	Control Engineering	MTH20007 or MTH20010
		MME40001	Engineering Management 2	100 CP
			Business Unit 7	
			Business Unit 8	
5	9 (Aug 2023)	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	
		MEE40003	Machine Dynamics 2	MEE20006
	10 (Feb 2024)	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.