

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

Recommended Study Sequence (August Intake) 2021

Year	Semester	Subject		Prerequisites
		Unit Code	Unit of Study Title	
1	1 (Aug 2021)	ENG10003	Mechanics of Structures	Nil
		ENG10004	Digital and Data Systems	Nil
		MTH10013	Linear Algebra and Applications	Nil
		PHY10004	Electronics and Electromagnetism	Nil
	2 (Mar 2022)	ENG10001	Engineering, Design and Innovation	Nil
		ENG10002	Engineering Materials	Nil
		MTH10012	Calculus and Applications	Nil
		PHY10001	Energy and Motion	Nil
2	3 (Sept 2022)	MTH20011	Mathematics 4A	MTH10013 & MTH10012
		MEE20005	Materials & Manufacturing 1	ENG10002
		MEE20003	Fluid Mechanics 1	MTH10013 & MTH10012
		MEE20006	Machine Dynamics 1	MTH10007 & PHY10001
	4 (Mar 2023)	MEE20002	Computer Aided Engineering Mechanical	ENG10001
		MEE20004	Structural Mechanics	ENG10003
		MEE20001	Thermodynamics	PHY10001
		MTH20010	Mathematics 3A	MTH10013 & MTH10012
3	5 (Sept 2023)	MEE40001	Heat Transfer	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 2024)	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 2024)	MEE40002	Mechanical Systems Design	MEE30003
		MME30001	Engineering Management 1	100 CP
			Business Unit 5 Business Unit 6	
	8 (Mar 2025)	MEE30002	Control Engineering	MTH20011
		MME40001	Engineering Management 2	100 CP
			Business Unit 7 Business Unit 8	
5	9 (Sept 2025)	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 2026)	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.