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		ENG10003	Mechanics of Structures	Nil
		ENG10004	Digital and Data Systems	Nil
	1 (Sep 2019)	MTH10013	Linear Algebra and Applications	Nil
		PHY10004	Electronics and Electromagnetism	Nil
		ENG10001	Engineering, Design and Innovation	Nil
	2 (Feb 2020)	ENG10002	Engineering Materials	Nil
		MTH10012	Calculus and Applications	Nil
		PHY10001	Energy and Motion	Nil
		111110001	Energy and Motor	
2		MTH20011	Mathematics 4A	MTH10007 or (both
	3 (Aug 2020)			MTH10013 &
				MTH10012)
		MEE20005	Materials & Manufacturing 1	MEE10001a or
			3	ENG10002
		MEE20004	Structural Mechanics	CVE10004 or
				ENG10003
		MEE20006	Machine Dynamics 1	(both MTH10007 &
				` PHY10001) or
				MTH10013
	4 (Feb 2021)	MEE20002	Computer Aided Engineering	RME10001 OR
			Mechanical	ENG10001
		MEE20003	Fluid Mechanics 1	MTH10007 or
				(both MTH10013 &
				` MTH10012)
		MEE20001	Thermodynamics	PHY10001
		MTH20010	Mathematics 3A	MTH10007 or (both
				MTH10013 &
				MTH10012)
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		MEE40001	Heat Transfer	MTH20007 or
				MTH20010
	E (Av. 2024)	MEE30004	Solid Mechanics	MTH20010 MEE20004
	5 (Aug 2021)		Solid Mechanics Financial Information for Decision	MTH20010
	5 (Aug 2021)	MEE30004 ACC10007	Solid Mechanics Financial Information for Decision Making (Business Unit 1)	MTH20010 MEE20004 Nil
	5 (Aug 2021)	MEE30004	Solid Mechanics Financial Information for Decision Making (Business Unit 1) Fundamentals of Marketing (Business	MTH20010 MEE20004
3	5 (Aug 2021)	MEE30004 ACC10007 MKT10007	Solid Mechanics Financial Information for Decision Making (Business Unit 1) Fundamentals of Marketing (Business Unit 2)	MTH20010 MEE20004 Nil
3	5 (Aug 2021) EAT20008	MEE30004 ACC10007	Solid Mechanics Financial Information for Decision Making (Business Unit 1) Fundamentals of Marketing (Business Unit 2) Professional Experience in	MTH20010 MEE20004 Nil Nil EAT20008 Introductory
3	, , ,	MEE30004 ACC10007 MKT10007 EAT20008	Solid Mechanics Financial Information for Decision Making (Business Unit 1) Fundamentals of Marketing (Business Unit 2) Professional Experience in Engineering*	MTH20010 MEE20004 Nil Nil EAT20008 Introductory Seminar
3	, , ,	MEE30004 ACC10007 MKT10007 EAT20008 MEE30001	Solid Mechanics Financial Information for Decision Making (Business Unit 1) Fundamentals of Marketing (Business Unit 2) Professional Experience in Engineering* Materials and Manufacturing 2	MTH20010 MEE20004 Nil Nil EAT20008 Introductory Seminar MEE20005
3	EAT20008	MEE30004 ACC10007 MKT10007 EAT20008 MEE30001 MEE30003	Solid Mechanics Financial Information for Decision Making (Business Unit 1) Fundamentals of Marketing (Business Unit 2) Professional Experience in Engineering* Materials and Manufacturing 2 Machine Design	MTH20010 MEE20004 Nil Nil EAT20008 Introductory Seminar MEE20005 MEE20004
3	, , ,	MEE30004 ACC10007 MKT10007 EAT20008 MEE30001 MEE30003 ECO10004	Solid Mechanics Financial Information for Decision Making (Business Unit 1) Fundamentals of Marketing (Business Unit 2) Professional Experience in Engineering* Materials and Manufacturing 2 Machine Design Economic Principles (Business Unit 3)	MTH20010 MEE20004 Nil Nil EAT20008 Introductory Seminar MEE20005 MEE20004 Nil
3	EAT20008	MEE30004 ACC10007 MKT10007 EAT20008 MEE30001 MEE30003	Solid Mechanics Financial Information for Decision Making (Business Unit 1) Fundamentals of Marketing (Business Unit 2) Professional Experience in Engineering* Materials and Manufacturing 2 Machine Design Economic Principles (Business Unit 3) Introduction to Business Information	MTH20010 MEE20004 Nil Nil EAT20008 Introductory Seminar MEE20005 MEE20004
3	EAT20008	MEE30004 ACC10007 MKT10007 EAT20008 MEE30001 MEE30003 ECO10004	Solid Mechanics Financial Information for Decision Making (Business Unit 1) Fundamentals of Marketing (Business Unit 2) Professional Experience in Engineering* Materials and Manufacturing 2 Machine Design Economic Principles (Business Unit 3)	MTH20010 MEE20004 Nil Nil EAT20008 Introductory Seminar MEE20005 MEE20004 Nil
3	EAT20008	MEE30004 ACC10007 MKT10007 EAT20008 MEE30001 MEE30003 ECO10004 INF10003	Solid Mechanics Financial Information for Decision Making (Business Unit 1) Fundamentals of Marketing (Business Unit 2) Professional Experience in Engineering* Materials and Manufacturing 2 Machine Design Economic Principles (Business Unit 3) Introduction to Business Information Systems (Business Unit 4)	MTH20010 MEE20004 Nil Nil EAT20008 Introductory Seminar MEE20005 MEE20004 Nil Nil
3	EAT20008 6 (Feb 2022)	MEE30004 ACC10007 MKT10007 EAT20008 MEE30001 MEE30003 ECO10004 INF10003	Solid Mechanics Financial Information for Decision Making (Business Unit 1) Fundamentals of Marketing (Business Unit 2) Professional Experience in Engineering* Materials and Manufacturing 2 Machine Design Economic Principles (Business Unit 3) Introduction to Business Information Systems (Business Unit 4) Mechanical Systems Design	MTH20010 MEE20004 Nil Nil EAT20008 Introductory Seminar MEE20005 MEE20004 Nil Nil Nil MEE30003
3	EAT20008	MEE30004 ACC10007 MKT10007 EAT20008 MEE30001 MEE30003 ECO10004 INF10003	Solid Mechanics Financial Information for Decision Making (Business Unit 1) Fundamentals of Marketing (Business Unit 2) Professional Experience in Engineering* Materials and Manufacturing 2 Machine Design Economic Principles (Business Unit 3) Introduction to Business Information Systems (Business Unit 4) Mechanical Systems Design Engineering Management 1	MTH20010 MEE20004 Nil Nil EAT20008 Introductory Seminar MEE20005 MEE20004 Nil Nil
	EAT20008 6 (Feb 2022)	MEE30004 ACC10007 MKT10007 EAT20008 MEE30001 MEE30003 ECO10004 INF10003	Solid Mechanics Financial Information for Decision Making (Business Unit 1) Fundamentals of Marketing (Business Unit 2) Professional Experience in Engineering* Materials and Manufacturing 2 Machine Design Economic Principles (Business Unit 3) Introduction to Business Information Systems (Business Unit 4) Mechanical Systems Design Engineering Management 1 Business Unit 5	MTH20010 MEE20004 Nil Nil EAT20008 Introductory Seminar MEE20005 MEE20004 Nil Nil Nil MEE30003
3	EAT20008 6 (Feb 2022)	MEE30004 ACC10007 MKT10007 EAT20008 MEE30001 MEE30003 ECO10004 INF10003 MEE40002 MME30001	Solid Mechanics Financial Information for Decision Making (Business Unit 1) Fundamentals of Marketing (Business Unit 2) Professional Experience in Engineering* Materials and Manufacturing 2 Machine Design Economic Principles (Business Unit 3) Introduction to Business Information Systems (Business Unit 4) Mechanical Systems Design Engineering Management 1 Business Unit 5 Business Unit 6	MTH20010 MEE20004 Nil Nil RAT20008 Introductory Seminar MEE20005 MEE20004 Nil Nil Nil MEE30003 100 CP
	EAT20008 6 (Feb 2022)	MEE30004 ACC10007 MKT10007 EAT20008 MEE30001 MEE30003 ECO10004 INF10003	Solid Mechanics Financial Information for Decision Making (Business Unit 1) Fundamentals of Marketing (Business Unit 2) Professional Experience in Engineering* Materials and Manufacturing 2 Machine Design Economic Principles (Business Unit 3) Introduction to Business Information Systems (Business Unit 4) Mechanical Systems Design Engineering Management 1 Business Unit 5	MTH20010 MEE20004 Nil Nil RAT20008 Introductory Seminar MEE20005 MEE20004 Nil Nil Nil MEE30003 100 CP MTH20007 or
	EAT20008 6 (Feb 2022) 7 (Aug 2022)	MEE30004 ACC10007 MKT10007 EAT20008 MEE30001 MEE30003 ECO10004 INF10003 MEE40002 MME30001 MEE30002	Solid Mechanics Financial Information for Decision Making (Business Unit 1) Fundamentals of Marketing (Business Unit 2) Professional Experience in Engineering* Materials and Manufacturing 2 Machine Design Economic Principles (Business Unit 3) Introduction to Business Information Systems (Business Unit 4) Mechanical Systems Design Engineering Management 1 Business Unit 5 Business Unit 6 Control Engineering	MTH20010 MEE20004 Nil Nil Nil EAT20008 Introductory Seminar MEE20005 MEE20004 Nil Nil Nil MEE30003 100 CP MTH20007 or MTH20010
	EAT20008 6 (Feb 2022)	MEE30004 ACC10007 MKT10007 EAT20008 MEE30001 MEE30003 ECO10004 INF10003 MEE40002 MME30001	Solid Mechanics Financial Information for Decision Making (Business Unit 1) Fundamentals of Marketing (Business Unit 2) Professional Experience in Engineering* Materials and Manufacturing 2 Machine Design Economic Principles (Business Unit 3) Introduction to Business Information Systems (Business Unit 4) Mechanical Systems Design Engineering Management 1 Business Unit 5 Business Unit 6 Control Engineering Engineering Management 2	MTH20010 MEE20004 Nil Nil RAT20008 Introductory Seminar MEE20005 MEE20004 Nil Nil Nil MEE30003 100 CP MTH20007 or
	EAT20008 6 (Feb 2022) 7 (Aug 2022)	MEE30004 ACC10007 MKT10007 EAT20008 MEE30001 MEE30003 ECO10004 INF10003 MEE40002 MME30001 MEE30002	Solid Mechanics Financial Information for Decision Making (Business Unit 1) Fundamentals of Marketing (Business Unit 2) Professional Experience in Engineering* Materials and Manufacturing 2 Machine Design Economic Principles (Business Unit 3) Introduction to Business Information Systems (Business Unit 4) Mechanical Systems Design Engineering Management 1 Business Unit 5 Business Unit 6 Control Engineering Engineering Management 2 Business Unit 7	MTH20010 MEE20004 Nil Nil Nil EAT20008 Introductory Seminar MEE20005 MEE20004 Nil Nil Nil MEE30003 100 CP MTH20007 or MTH20010
	EAT20008 6 (Feb 2022) 7 (Aug 2022)	MEE30004 ACC10007 MKT10007 EAT20008 MEE30001 MEE30003 ECO10004 INF10003 MEE40002 MME30001 MEE30002	Solid Mechanics Financial Information for Decision Making (Business Unit 1) Fundamentals of Marketing (Business Unit 2) Professional Experience in Engineering* Materials and Manufacturing 2 Machine Design Economic Principles (Business Unit 3) Introduction to Business Information Systems (Business Unit 4) Mechanical Systems Design Engineering Management 1 Business Unit 5 Business Unit 6 Control Engineering Engineering Management 2	MTH20010 MEE20004 Nil Nil Nil EAT20008 Introductory Seminar MEE20005 MEE20004 Nil Nil Nil MEE30003 100 CP MTH20007 or MTH20010
	EAT20008 6 (Feb 2022) 7 (Aug 2022)	MEE30004 ACC10007 MKT10007 EAT20008 MEE30001 MEE30003 ECO10004 INF10003 MEE40002 MME30001 MEE30002 MME40001	Solid Mechanics Financial Information for Decision Making (Business Unit 1) Fundamentals of Marketing (Business Unit 2) Professional Experience in Engineering* Materials and Manufacturing 2 Machine Design Economic Principles (Business Unit 3) Introduction to Business Information Systems (Business Unit 4) Mechanical Systems Design Engineering Management 1 Business Unit 5 Business Unit 6 Control Engineering Engineering Management 2 Business Unit 7 Business Unit 8	MTH20010 MEE20004 Nil Nil Nil EAT20008 Introductory Seminar MEE20005 MEE20004 Nil Nil Nil MEE30003 100 CP MTH20007 or MTH20010 100 CP
	EAT20008 6 (Feb 2022) 7 (Aug 2022)	MEE30004 ACC10007 MKT10007 EAT20008 MEE30001 MEE30003 ECO10004 INF10003 MEE40002 MME30001 MEE30002 MME40001 MEE30002	Solid Mechanics Financial Information for Decision Making (Business Unit 1) Fundamentals of Marketing (Business Unit 2) Professional Experience in Engineering* Materials and Manufacturing 2 Machine Design Economic Principles (Business Unit 3) Introduction to Business Information Systems (Business Unit 4) Mechanical Systems Design Engineering Management 1 Business Unit 5 Business Unit 6 Control Engineering Engineering Management 2 Business Unit 7 Business Unit 8 Fluid Mechanics 2	MTH20010 MEE20004 Nil Nil Nil EAT20008 Introductory Seminar MEE20005 MEE20004 Nil Nil Nil MEE30003 100 CP MTH20007 or MTH20010 100 CP
	EAT20008 6 (Feb 2022) 7 (Aug 2022) 8 (Feb 2023)	MEE30004 ACC10007 MKT10007 EAT20008 MEE30001 MEE30003 ECO10004 INF10003 MEE40002 MME30001 MEE30002 MME40001	Solid Mechanics Financial Information for Decision Making (Business Unit 1) Fundamentals of Marketing (Business Unit 2) Professional Experience in Engineering* Materials and Manufacturing 2 Machine Design Economic Principles (Business Unit 3) Introduction to Business Information Systems (Business Unit 4) Mechanical Systems Design Engineering Management 1 Business Unit 5 Business Unit 6 Control Engineering Engineering Management 2 Business Unit 7 Business Unit 8 Fluid Mechanics 2 Final Year Research Project 1	MTH20010 MEE20004 Nil Nil Nil EAT20008 Introductory Seminar MEE20005 MEE20004 Nil Nil Nil MEE30003 100 CP MTH20007 or MTH20010 100 CP MEE20003 350 CP & MKT10007,
4	EAT20008 6 (Feb 2022) 7 (Aug 2022)	MEE30004 ACC10007 MKT10007 EAT20008 MEE30001 MEE30003 ECO10004 INF10003 MEE40002 MME30001 MEE30002 MME40001 MEE30002	Solid Mechanics Financial Information for Decision Making (Business Unit 1) Fundamentals of Marketing (Business Unit 2) Professional Experience in Engineering* Materials and Manufacturing 2 Machine Design Economic Principles (Business Unit 3) Introduction to Business Information Systems (Business Unit 4) Mechanical Systems Design Engineering Management 1 Business Unit 5 Business Unit 6 Control Engineering Engineering Management 2 Business Unit 7 Business Unit 8 Fluid Mechanics 2	MTH20010 MEE20004 Nil Nil Nil EAT20008 Introductory Seminar MEE20005 MEE20004 Nil Nil Nil MEE30003 100 CP MTH20010 100 CP MEE20003 350 CP & MKT10007, ECO10004, ACC10007
4	EAT20008 6 (Feb 2022) 7 (Aug 2022) 8 (Feb 2023)	MEE30004 ACC10007 MKT10007 EAT20008 MEE30001 MEE30003 ECO10004 INF10003 MEE40002 MME30001 MEE30002 MME40001 MEE30002	Solid Mechanics Financial Information for Decision Making (Business Unit 1) Fundamentals of Marketing (Business Unit 2) Professional Experience in Engineering* Materials and Manufacturing 2 Machine Design Economic Principles (Business Unit 3) Introduction to Business Information Systems (Business Unit 4) Mechanical Systems Design Engineering Management 1 Business Unit 5 Business Unit 6 Control Engineering Engineering Management 2 Business Unit 7 Business Unit 8 Fluid Mechanics 2 Final Year Research Project 1	MTH20010 MEE20004 Nil Nil Nil EAT20008 Introductory Seminar MEE20005 MEE20004 Nil Nil Nil MEE30003 100 CP MTH20010 100 CP MEE20003 350 CP & MKT10007,

			Business Unit 10	
	10 (Feb 2024)	MEE40003	Machine Dynamics 2	MEE20006
		ENG40004	Final Year Research Project 2	ENG40003
			(Eng/Bus)	
			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.