

**BB-ECVBUS3 Bachelor of Engineering (Civil Engineering) (Honours) / Bachelor of Business
Recommended Study Sequence (March Intake) 2021**

Year	Sem / Date	Code	Subjects	Pre-requisite	
1	1 Mar 2021	ENG10001	Engineering, Design and Innovation	NIL	
		ENG10002	Engineering Materials	NIL	
		MTH10012	Calculus and Applications	NIL	
		PHY10001	Energy and Motion	NIL	
	2 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	3 Feb 2022	MEE20004	Structural Mechanics	CVE10004 or ENG10003	
		CVE20002	Computer Aided Engineering Civil	CVE10002 or ENG10001	
		CVE20001	Topographical Engineering	MTH10006 or MTH10012 Co-req: CVE20002 (Must be studied either before or at the same time)	
		MTH20010	Mathematics 3A	MTH10007 or MTH10012 and MTH10013	
	4 Aug 2022	CVE20003	Design of Concrete Structures	MEE20004	
		CVE20005	Road Engineering	CVE20001	
		MEE20003	Fluid Mechanics	MTH10007 or MTH10012 and MTH10013	
		MME30001	Engineering Management 1	100 CPS	
	3	5 Feb 2023	CVE30001	Urban Water Resources	MEE20003 Co-req: CVE20002 (Must be studied either before or at the same time)
			CVE20004	Geomechanics	CVE10004 or ENG10003
				1st Unit of Chosen Business Major	
				2nd Unit of Chosen Business Major	
EAT20008*		EAT20008	Professional Experience in Engineering		
6 Aug 2023		CVE40004^	Water Engineering	CVE30001	
		CVE30004	Cost Engineering	175 CPS	
			3rd Unit of Chosen Business Major		
		4th Unit of Chosen Business Major			
4	7 Feb 2024	CVE30002	Design of Steel Structures	MEE20004	
		CVE30003	Transport Engineering	CVE20005	
			5th Unit of Chosen Business Major		
			6th Unit of Chosen Business Major		
	8 Aug 2024	CVE40001	Geotechnical Engineering	CVE20004	
		MME40001	Engineering Management 2	100 CPS	
			7th Unit of Chosen Business Major		
			8th Unit of Chosen Business Major		
5	9 Feb 2025	CVE40002	Structural Design of Low Rise Buildings	CVE20003 and CVE30002	
		ENG40003^	Final Year Research Project 1 (Eng/Bus)	350 CPS and 4 core Business units (ECO10002/ECO10003/ ECO10004) and (ACC10003/ACC10007) and (ENT30010/INF10003/ ORG10003) and (LAW10004/MKT10007)	
			9th Unit of Chosen Business Major		
			10th Unit of Chosen Business Major		
	10 Aug 2025	CVE40006^	Infrastructure Design Project	CVE20003 and CVE30002	
		ENG40004^	Final Year Research Project 2 (Eng/Bus)	ENG40003	
			11th Unit of Chosen Business Major		
			12th Unit of Chosen Business Major		

* **EAT20008 Professional Experience in Engineering** is compulsory for all students who commenced first year from 2004, and **MUST** be taken before the last semester of study as part of EAC's requirement. Students who complete one or two IBL placements are eligible for exemption from EAT20008.

^ **Capstone Project:** This program contains 4 Capstone experiences.

**Business Major for
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Core Business Studies Units			
Unit Code	Unit Name	Pre-requisite	Remarks
ACC10007	Financial Information for Decision Making	Nil	
MKT10007	Fundamentals of Marketing	Nil	
ECO10004	Economic Principles	Nil	
INF10003	Introduction to Business Information Systems	Nil	

Business Majors			
(A) Finance			
Unit Code	Unit Name	Pre-requisite	Remarks
FIN10002	Financial Statistics	Nil	
FIN20014	Financial Management	ACC10007 & FIN10002	
FIN20016	Ethics of International Finance	ECO10004	
FIN30014	Financial Risk Management	FIN20014	
FIN30016	Management of Investment Portfolios	FIN20014	
FIN30020	Alternative Investments	FIN20014	
FIN30021	Fixed Income and Debt Markets	FIN20014	
LAW30002	Finance Law	125 credit points	
(B) Management			
Unit Code	Unit Name	Pre-requisite	Remarks
HRM10003	Human Resource Management	Nil	
MGT10002	Critical Thinking in Management	Nil	
MGT20006	Business and Society	Nil	
MGT20007	Organisational Behaviour	87.5 credit points	
MGT30005	Strategic Planning	187.5 credit points	

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MGT30008	Leadership Practice and Skills	MME30001 Engineering Management 1 & 187.5 credit points	
MGT30009	Organisation Theory and Practice	125 credit points AND MGT20006 Business and Society AND MGT20007 Organisational Behaviour	
PRM30001	Project Management Essentials	100 credit points	

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Important:

Student MUST complete either (A) Finance OR (B) Management, under the selection of Business Major.