

**BH-ECV Bachelor of Engineering (Civil Engineering) (Honours)
Recommended Study Sequence (Aug Intake) 2020**

Year	Sem / Date	Code	Subjects	Pre-requisite
1	1 Aug 2020	ENG10001	Engineering, Design and Innovation	NIL
		ENG10002	Engineering Materials	NIL
		MTH10012	Calculus and Applications	NIL
		PHY10001	Energy and Motion	NIL
	2 Feb 2021	ENG10003	Mechanics of Structures	NIL
		ENG10004	Digital and Data Systems	NIL
		MTH10013	Linear Algebra and Applications	VCE Math Methods/Equivalent
		PHY10004	Electronics and Electromagnetism	NIL
2	3 Aug 2021	MEE20004	Structural Mechanics	CVE10004/ENG10003
		CVE20002	Computer Aided Engineering Civil	CVE10002/ENG10001
		MTH20010	Mathematics 3A	MTH10007/MTH10012&MTH10013
		MEE20003	Fluid Mechanics	MTH10007/MTH10012&MTH10013
	4 Feb 2022	MME30001	Engineering Management 1	100 CPS
		CVE20001	Topographical Engineering	Pre-req: MTH10006/MTH10012 Pre/Co-req: CVE20002
		CVE30001	Urban Water Resources	Pre-req: MEE20003 Pre/Co-req: CVE20002
		CVE30002	Design of Steel Structures	MEE20004
3	5 Aug 2022	CVE20005	Road Engineering	CVE20001
		CVE30004	Cost Engineering	175 CPS
		CVE40004^	Water and Env. Engineering	CVE30001
		CVE20003	Design of Concrete Structures	MEE20004
	EAT20008*	EAT20008	Professional Experience in Engineering	
	6 Feb 2023	CVE20004	Geomechanics	CVE10004/ENG10003
		CVE30003	Transport Engineering	CVE20005
		CVE40002	Structural Design of Low Rise Buildings	CVE20003 & CVE30002
			Approved Elective	
4	7 Aug 2023	CVE40001	Geotechnical Engineering	CVE20004
		CVE40006^	Infrastructure Design Project	CVE20003 & CVE30002
		CVE40008^	Final Year Research Project 1 (Civil)	287.5 CPS
			Approved Elective	
	8 Feb 2024	CVE40009^	Final Year Research Project 2 (Civil)	CVE40008
		MME40001	Engineering Management 2	100 CPS
			Approved Elective	
			Approved Elective	

* 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.

^ Capstone Project: This program contains 4 Capstone experiences.