

**BH-ECV Bachelor of Engineering (Civil Engineering) (Honours)**  
**Recommended Study Sequence (September Intake) 2019**

Year	Sem / Date	Code	Subjects	Pre-requisite
1	1 Sep 2019	ENG10001	Engineering, Design and Innovation	NIL
		ENG10002	Engineering Materials	NIL
		MTH10012	Calculus and Applications	NIL
		PHY10001	Energy and Motion	NIL
	2 Feb 2020	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 2020	MEE20004	Structural Mechanics	CVE10004/ENG10003
		CVE20002	Computer Aided Engineering Civil	CVE10002 or pre/co-requisite ENG10003
		MME30001	Engineering Management 1	100 CPS
		MEE20003	Fluid Mechanics	MTH10007/MTH10012&MTH10013
	4 Feb 2021	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
		MTH20010	Engineering Mathematics 3A	MTH10007/MTH10012&MTH10013
3	5 Aug 2021	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 2022	CVE20004	Geomechanics	CVE10004/ENG10003
		CVE30003	Transport Engineering	CVE20005
		CVE40002	Structural Design of Low Rise Buildings	CVE20003 & CVE30002
4	7 Aug 2022	CVE40001	Geotechnical Engineering	CVE20004
		CVE40006^	Infrastructure Design Project	CVE20003 & CVE30002
		CVE40008^	Final Year Research Project 1 (Civil)	287.5 CPS
			Approved Elective	
	8 Feb 2023	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.