

**BH-ECV Bachelor of Engineering (Civil Engineering) (Honours)  
Recommended Study Sequence (Mar 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	VCE Math Methods/Equivalent		
		PHY10004	Electronics and Electromagnetism	NIL		
2	3 Feb 2022	CVE20001	Topographical Engineering	Pre-req: MTH10006/MTH10012 & Pre/Co-req: CVE20002		
		CVE20002	Computer Aided Engineering Civil	CVE10002 or ENG10001		
		MEE20004	Structural Mechanics	CVE10004/ENG10003		
		MTH20010	Mathematics 3A	MTH10007/MTH10012&MTH10013		
	4 Aug 2022	MEE20003	Fluid Mechanics	MTH10007/MTH10012&MTH10013		
		CVE20003	Design of Concrete Structures	MEE20004		
		CVE20005	Road Engineering	CVE20001		
		MME30001	Engineering Management 1	100 CPS		
		3	5 Feb 2023	CVE20004	Geomechanics	CVE10004/ENG10003
				CVE30001	Urban Water Resources	Pre-req: MEE20003 & Pre/Co-req: CVE20002
CVE30002	Design of Steel Structures			MEE20004		
CVE30003	Transport Engineering			CVE20005		
	<b>EAT20008*</b>		<b>EAT20008</b>	<i>Professional Experience in Engineering</i>		
6 Aug 2023	CVE30004		Cost Engineering	175 CPS		
	CVE40001		Geotechnical Engineering	CVE20004		
	CVE40004^		Water Engineering	CVE30001		
	MME40001	Engineering Management 2	100 CPS			
4	7 Feb 2024	CVE40002	Structural Design of Low Rise Buildings	CVE20003 & CVE30002		
		ENG40001^	Final Year Research Project 1	287.5 CPS		
			Approved Elective			
		SWE20004#	Technical Software Development	ENG10004		
	8 Aug 2024	CVE40006^	Infrastructure Design Project	CVE20003 & CVE30002		
		ENG40002^	Final Year Research Project 2	ENG40001		
		CSM80051#	Building Information Modelling for Construction Management	250 CPS		
		COS10022#	Introduction to Data Science	Nil		

**# Industry 4.0 Units**

\* **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.