BH-ECV Bachelor of Engineering (Civil Engineering) (Honours)
Recommended Study Sequence (Aug Intake) 2021

Year	Sem / Date	Code	Subjects	Pre-requisite
1	**1** Aug 2021	ENG10001	Engineering, Design and Innovation	NIL
		ENG10002	Engineering Materials	NIL
		MTH10012	Calculus and Applications	NIL
		PHY10001	Energy and Motion	NIL
	2 Feb 2022	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 2022	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 2023	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 2023	CVE20005	Road Engineering	CVE20001
		CVE30004	Cost Engineering	175 CPS
		CVE40004^	Water Engineering	CVE30001
		CVE20003	Design of Concrete Structures	MEE20004
	EAT20008*	*EAT20008*	*Professional Experience in Engineering*	
	6 Feb 2024	CVE20004	Geomechanics	CVE10004/ENG10003
		CVE30003	Transport Engineering	CVE20005
		CVE40002	Structural Design of Low Rise Buildings	CVE20003 & CVE30002
		SWE20004#	Technical Software Development	ENG10004
	Winter Term	CSM80051#	Building Information Modelling for Construction Management	250 CPS
4	**7** Aug 2024	CVE40001	Geotechnical Engineering	CVE20004
		CVE40006^	Infrastructure Design Project	CVE20003 & CVE30002
		ENG40001^	Final Year Research Project 1	287.5 CPS
		COS10022#	Introduction to Data Science	Nil
	8 Feb 2025	ENG40002^	Final Year Research Project 2	ENG40001
		MME40001	Engineering Management 2	100 CPS
			Approved Elective	
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 # Industry 4.0 Units

* EAT20008 Professional Experience in Engineering is compulsory for all students who commenced first year from 2004, and MUST be taken <u>before</u> the last semester of study as part of EAC's requirement.

^ Capstone Project: This program contains 4 Capstone experiences.