

### Curriculum Structure of Bachelor of Engineering (Civil) with Second Major in Business - Professional Attachment - AY 2020/21

Year	Course	AU	Course	AU	Course	AU	Course	AU	Course	AU	Course	AU	Course	AU	Course	AU	Course	AU	TOTAL AU
Year 1 Semester 1	MH1810 Mathematics 1	3	PH1011 Physics <i>*Students w/o A-level Physics to do *PH1012 Physics A</i>	3	FE1073 An Introduction to Engineering & Practices	1	CV1011 Mechanics of Materials (Engineering Fundamentals 1)	4	HY0001 Ethics and Moral Reasoning	1	ET0001 Enterprise and Innovation	1	HW0188 Effective Communication <i>*HW0001</i>	2	AB1201 Financial Management	3	AD1101 Financial Accounting	4	22
Year 1 Semester 2	MH1811 Mathematics 2 <i>*MH1810</i>	3	CV1012 Fluid Mechanics	3	CV1014 Introduction To Computational Thinking	3	Engineering Fundamentals 2	3	EG0001 Engineers & Society	3	CV0001 Civil Engineering and Sustainable Built Environment	3	AB1501 Marketing	3	BE1401 Business Operations and Processes	4			25
Year 2 Semester 1	CV2011 Structural Analysis I <i>*CV1011</i>	3	CV2013 Engineering Geology & Soil Mechanics	3	CV2020 Water Resources Engineering <i>*CV1012</i>	3	CV2711 Civil Engineering Laboratory A	1	MH2814 Probability & Statistics <i>*MH1810</i>	3	CV0003 Introduction to Data Science and Artificial Intelligence <i>*CV1014</i>	3	AB1301 Business Law	3					19
Year 2 Semester 2	CV1013 Civil Engineering Materials	3	CV1711 Engineering Drawing and 3D Building Information Modelling	1	CV2012 Structural Analysis II <i>*CV2011</i>	3	CV2014 Geotechnical Engineering	3	CV2019 Matrix Algebra & Computational Methods	3	CV2712 Civil Engineering Laboratory B	1	AB1601 Organisational Behaviour and Design	3					17
Year 3 Semester 1	CV3011 Reinforced Concrete Design <i>*CV2011</i>	3	CV3013 Foundation Engineering <i>*CV2013 &amp; CV2014</i>	3	CV3014 Transportation Engineering	3	CV3015 Environmental Engineering <i>*CV1012</i>	3	HW0288 Engineering Communication <i>*HW0188</i>	2	ML0003 Kickstart your Career Success	1	Advanced Business Course 1	4					19
Year 3 Semester 2	CV3012 Steel Design <i>*CV2011</i>	3	CV3016 Construction Technology & Processes	3	CV4XXX Major Prescribed Elective <i>*Refer to Syllabus</i>	3	Advanced Business Course 2	4	GER - UE	2								15	
Special Semester	CV3915 Professional Attachment	5	← <i>* Year 3 Standing &amp; Completed at least 4 Semesters of study</i>															5	
Year 4 Semester 1	CV4011 Project Planning & Management <i>*Year 4 Standing</i>	3	CV4711 Seminars & Site Visits	1	CV4911 Final Year Project <i>*Year 4 Standing</i>	4	CV4XXX Major Prescribed Elective <i>*Refer to Syllabus</i>	3	Advanced Business Course 3	4									15
Year 4 Semester 2	CV4911 Final Year Project <i>*Year 4 Standing</i>	4	CV4912 Integrated Design Project <i>*Year 4 Standing</i>	3	CV4XXX Major Prescribed Elective <i>*Refer to Syllabus</i>	3	GER - UE	3											13

*\* pre-requisite*

**Total AU for Graduation 150**

GER : General Education Requirement

GER-Core

2nd Major

GER-Unrestricted Elective

Last Updated : 16-Apr-20