

Curriculum Structure of Bachelor of Engineering (Civil) - Direct Entry to 2nd Year - AY 2021/22

Year	Course	AU	Course	AU	Course	AU	Course	AU	Course	AU	Course	AU	Course	AU	Course	AU	TOTAL AU
Year 2 Semester 1	PH1012 Physics A	4	MH1810 Mathematics 1	3	CV1011 Mechanics of Materials (Engineering Fundamentals 1)	4	CV2013 Engineering Geology & Soil Mechanics	3	Engineering Fundamentals 2	3	HY0001 Ethics and Moral Reasoning	1	ET0001 Enterprise and Innovation	1	HW0188 Effective Communication *HW0001	2	21
Year 2 Semester 2	CV1012 Fluid Mechanics	3	CV1014 Introduction To Computational Thinking	3	CV2011 Structural Analysis I *CV1011	3	CV2014 Geotechnical Engineering *CV2013	3	CV2019 Matrix Algebra & Computational Methods	3	CV2712 Civil Engineering Laboratory B	1	EG0001 Engineers & Society	3	CV0001 Civil Engineering and Sustainable Built Environment	3	22
Year 3 Semester 1	CV2020 Water Resources Engineering *CV1012	3	CV3011 Reinforced Concrete Design *CV2011	3	CV3013 Foundation Engineering *CV2013 & CV2014	3	CV3014 Transportation Engineering	3	CV3015 Environmental Engineering *CV1012	3	MH2814 Probability & Statistics *MH1810	3	CV0003 Introduction to Data Science and Artificial Intelligence *CV1014	3	HW0288 Engineering Communication *HW0188	2	23
Year 3 Semester 2	CV1013 Civil Engineering Materials	3	CV2012 Structural Analysis II *CV2011	3	CV3012 Steel Design *CV2011	3	CV3016 Construction Technology & Processes	3	CV4911 Final Year Project *Year 4 Standing	4	CV4912 Integrated Design Project *Year 4 Standing	3	CV4XXX Major Prescribed Elective *Refer to Syllabus	3			22
Year 4 Semester 1	CV4011 Project Planning & Management *Year 4 Standing	3	CV4711 Seminars & Site Visits	1	CV4911 Final Year Project *Year 4 Standing	4	CV4XXX Major Prescribed Elective *Refer to Syllabus	3	GER - Elective (Any)	3	ML0003 Kickstart your Career Success	1					15
Year 4 Semester 2	CV3914 Professional Internship	10	← * Year 3 Standing & Completed at least 4 Semesters of study													10	

* denotes pre-requisite

Total AU for Graduation 113

GER : General Education Requirement

GER-Core

GER-Prescribed Elective

Last Updated : 5-Mar-21