Curriculum Structure of Bachelor of Engineering (Civil) - Direct Entry to 2nd Year - AY 2019/20

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	4	CV2013 Engineering Geology & Soil Mechanics	3	CV3014 Transportation Engineering	3	HY0001 Ethics and Moral Reasoning	1	HW0188 Engineering Communication I *HW0001	2			20
Year 2 Semester 2	CV1012 Fluid Mechanics	3	CV1013 Civil Engineering Materials	3	CV1014 Introduction To Computational Thinking	3	CV2011 Structural Analysis I *CV1011	3	CV2014 Geotechnical Engineering	3	CV2016 Hydrology	3	CV2019 Matrix Algebra & Computational Methods	3	CV2712 Civil Engineering Laboratory B	1	22
Year 3 Semester 1	CV2015 Hydraulics *CV1012	3	CV3011 Reinforced Concrete Design *CV2011	3	CV3013 Foundation Engineering *CV2013 & CV2014	3	CV3015 Environmental Engineering *CV1012	3	MH2814 Probability & Statistics *MH1810	3	CV0003 Introduction to Data Science and Artificial Intelligence *CV1014	3	HW0288 Engineering Communication II *HW0188	2			20
Year 3 Semester 2	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	CV0001 Civil Engineering and Sustainable Built Environment	3			22
Year 4 Semester 1	CV0002 Engineers & Society	3	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	ET0001 Enterprise and Innovation	1	ML0003 Kickstart your Career Success	1	19
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 ▮ (yellow)   GER-Prescribed Elective ▮ (green)

Last Updated : 30-May-19