

## Curriculum Structure of Bachelor of Engineering (Civil) - Direct Entry to 2nd Year - AY 2015/16

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	CV1011 Mechanics of Materials	4	CV1711 Civil Engineering Drawing	1	CV2013 Engineering Geology & Soil Mechanics	3	CV2711 Civil Engineering Laboratory A	1	MH2813 Essential Mathematics	3	GC 0001 Introduction to Sustainability: Multidisciplinary Approaches and Solutions	1	HW0188 Engineering Communication I <i>*HW0001</i>	2	19
Year 2 Semester 2	CV1012 Fluid Mechanics	3	CV1013 Civil Engineering Materials	3	CV2011 Structural Analysis I <i>*CV1011</i>	3	CV2014 Geotechnical Engineering	3	CV2016 Hydrology	3	CV2019 Matrix Algebra & Computational Methods	3	CV2712 Civil Engineering Laboratory B	1	ML0001 Absolute Basics For Career	1	20
Year 3 Semester 1	CV2015 Hydraulics <i>*CV1012</i>	3	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	MH2814 Probability & Statistics <i>*MH1810</i>	3	HW0288 Engineering Communication II <i>*HW0188</i>	2	HY0001 Ethics and Moral Reasoning	1	21
Year 3 Semester 2	CV2012 Structural Analysis II <i>*CV2011</i>	3	CV3012 Steel Design <i>*CV2011</i>	3	CV3016 Construction Technology & Processes	3	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-PE (STS) CV0001 Civil Engineering and Sustainable Built Environment (Compulsory)	3			22
Year 4 Semester 1	CV0002 Engineers & Society	3	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	CV4XXX Major Prescribed Elective <i>*Refer to Syllabus</i>	3	ET0001 Enterprise and Innovation	1	ML0002 Career Power Up <i>*ML0001</i>	1	19
Year 4 Semester 2	CV3911 Professional Internship	8	← <i>*Year 3 Standing &amp; Completed at least 4 Semesters of study</i>														8

*\* Pre-requisite*

**Total AU for Graduation 109**

Last Updated : 13-Jun-17