

### Curriculum Structure of Bachelor of Engineering (Civil) with Industrial Orientation - Direct Entry to 2nd Year for 2014/15

Year	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	MH2813 Essential Mathematics	3	CV2711 Civil Engineering Laboratory A	1	HW0210 Technical Communication	2	18
Year 2 Semester 2	CV0001 Civil Engineering and Sustainable Built Environment	3	CV1012 Fluid Mechanics	3	CV1013 Civil Engineering Materials	3	CV2011 Structural Analysis I <b>*(CV1011)</b>	3	CV2014 Geotechnical Engineering	3	CV2019 Matrix Algebra & Computational Methods	3	CV2712 Civil Engineering Laboratory B	1	19
Year 3 Semester 1	CV2015 Hydraulics <b>*(CV1012)</b>	3	MH2814 Probability & Statistics	3	CV3011 Reinforced Concrete Design <b>*(CV2011)</b>	3	CV3013 Foundation Engineering <b>*(CV2013 &amp; CV2014)</b>	3	CV3014 Transportation Engineering	3	CV3015 Environmental Engineering <b>*(CV1012)</b>	3			18
Year 3 Semester 2	CV2012 Structural Analysis II <b>*(CV2011)</b>	3	CV2016 Hydrology	3	CV3012 Steel Design <b>*(CV2011)</b>	3	CV3016 Construction Technology & Processes	3	HW0310 Professional Communication	2					14
Special Semester	CV3912 Industrial Orientation	4	← <b>*(Year 3 Standing &amp; Completed at least 2 Semesters of study)</b>												4
Year 4 Semester 1	CV0002 Engineers & Society	3	CV4011 Project Planning & Management <b>*(Year 4 Standing)</b>	3	CV4711 Seminars & Site Visits	1	CV4911 Final Year Project <b>*(Year 4 Standing)</b>	4	CV4XXX Specialization Course <b>*(Refer to Syllabus)</b>	3	GER - Elective (BM)	3			17
Year 4 Semester 2	CV4911 Final Year Project <b>*(Year 4 Standing)</b>	4	CV4912 Integrated Design Project <b>*(Year 4 Standing)</b>	3	CV4XXX Specialization Course <b>*(Refer to Syllabus)</b>	3	CV4XXX Specialization Course <b>*(Refer to Syllabus)</b>	3	GER (Free Elective)	3	GER (Free Elective)	3			19

**\*( )** denotes pre-requisite

**Total AU for Graduation 109**

Last Updated : 22-Jan-15