

BRC Curriculum Structure of Bachelor of Engineering (Civil) for 2014/15 cohort

Year	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	FE1008 Computing	3	PH1011 Physics <i>*(Students w/o A-level Physics to do *PH1012 Physics A)</i>	3	FE1073 An Introduction to Engineering & Practices	1	GC0001 Introduction to Sustainability: Multidisciplinary Approaches and Solutions	1	HW0188 Engineering Communication I <i>*(HW0001)</i>	2	GER - Elective (LA)	3			16	
Year 1 Semester 2	MH1811 Mathematics 2	3	CV1011 Mechanics of Materials	4	CV1012 Fluid Mechanics	3	CV1013 Civil Engineering Materials	3	CV1711 Civil Engineering Drawing	1	GER-PE (STS) CV0001 Civil Engineering and Sustainable Built Environment <i>(Compulsory)</i>	3	ML0001	1			18	
Year 2 Semester 1	CV2011 Structural Analysis I <i>*(CV1011)</i>	3	CV2013 Engineering Geology & Soil Mechanics	3	CV2015 Hydraulics <i>*(CV1012)</i>	3	MH2814 Probability & Statistics	3	CV2711 Civil Engineering Laboratory A	1	Ethics and Academic Integrity	1	GER - Elective (BM)	3	GER (Free Elective)	3	20	
Year 2 Semester 2	CV2012 Structural Analysis II <i>*(CV2011)</i>	3	CV2014 Geotechnical Engineering	3	CV2016 Hydrology	3	CV2019 Matrix Algebra & Computational Methods	3	CV2712 Civil Engineering Laboratory B	1	CV3012 Steel Design <i>*(CV2011)</i>	3	GER (Free Elective)	3			19	
Year 3 Semester 1	CV3011 Reinforced Concrete Design <i>*(CV2011)</i>	3	CV3013 Foundation Engineering <i>*(CV2013 & CV2014)</i>	3	CV3014 Transportation Engineering	3	CV3015 Environmental Engineering <i>*(CV1012)</i>	3	Enterprise and Innovation	1	HW0288 Engineering Communication II <i>*(HW0188)</i>	2	GER (Free Elective)	3			18	
Year 3 Semester 2	CV3911 Professional Internship	8	← <i>*(Year 3 Standing & Completed at least 4 Semesters of study)</i>						ML0002	1								9
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 Specialization Course <i>*(Refer to Syllabus)</i>	3	GER (Free Elective)	3					17	
Year 4 Semester 2	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 Specialization Course <i>*(Refer to Syllabus)</i>	3	CV4XXX Specialization Course <i>*(Refer to Syllabus)</i>	3	GER (Free Elective)	3					19	

**() denotes pre-requisite*

Total AU for Graduation 136

Last Updated : 10-Mar-15