

### BRC Curriculum Structure of Bachelor of Engineering (Environment) - Direct Entry to 2nd Year for 2014/15 cohort

Year	Course	AU	Course	AU	Course	AU	Course	AU	Course	AU	Course	AU	Course	AU	TOTAL AU
<b>Year 2 Semester 1</b>	PH1012 Physics A	4	CV1011 Mechanics of Materials	4	CV1711 Civil Engineering Drawing	1	MH2813 Essential Mathematics	3	EN2001 Environmental Issues in a Changing World	3	EN2002 Environmental Biology and Microbiology	3	EN2711 Environmental Engineering Laboratory A	1	19
<b>Year 2 Semester 2</b>	CV1012 Fluid Mechanics	3	CV2011 Structural Analysis I <i>*(CV1011)</i>	3	CV2019 Matrix Algebra & Computational Methods	3	EN0001 Sustainability Practices for Urban and Marine Environment	3	EN1001 Environmental Chemistry	3	EN2712 Environmental Engineering Laboratory B	1	HW0210 Technical Communication	2	18
<b>Year 3 Semester 1</b>	CV2013 Engineering Geology & Soil Mechanics	3	CV2015 Hydraulics <i>*(CV1012)</i>	3	MH2814 Probability & Statistics	3	EN3001 Solid & Hazardous Waste Management <i>*(Year 3 Standing)</i>	3	EN3002 Wastewater Engineering <i>*(Year 3 Standing)</i>	3	EN3003 Environmental Transport Processes <i>*(Year 3 Standing)</i>	3			18
<b>Year 3 Semester 2</b>	CV2016 Hydrology	3	EN2003 Water Supply Engineering <i>*(CV1012)</i>	3	EN3004 Air Pollution Control Engineering <i>*(Year 3 Standing)</i>	3	EN3005 Structural Design <i>*(CV2011)</i>	3	HW0310 Professional Communication	2					14
<b>Special Semester</b>	EN3912 Industrial Orientation	4	← <i>*(Year 3 Standing &amp; Completed at least 2 Semesters of study)</i>												4
<b>Year 4 Semester 1</b>	CV0002 Engineers & Society	3	CV4011 Project Planning & Management <i>*(Year 4 Standing)</i>	3	EN4711 Seminars & Site Visits	1	EN4911 Final Year Project <i>*(Year 4 Standing)</i>	4	EN4XXX Specialization Course <i>*(Refer to Syllabus)</i>	3	GER - Elective (BM)	3			17
<b>Year 4 Semester 2</b>	EN4911 Final Year Project <i>*(Year 4 Standing)</i>	4	EN4912 Integrated Design Project <i>*(Year 4 Standing)</i>	3	EN4XXX Specialization Course <i>*(Refer to Syllabus)</i>	3	EN4XXX Specialization Course <i>*(Refer to Syllabus)</i>	3	GER (Free Elective)	3	GER (Free Elective)	3			19

*\*( ) denotes pre-requisite*

**Total AU for Graduation 109**

Last Updated : 22-Jan-15