

## Curriculum Structure of Bachelor of Engineering (Environmental) - Direct Entry to 2nd Year - AY 2017-18

Year	Course	AU	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	CV1711 Civil Engineering Drawing and 3D Building Information Modelling	1	CV2013 Engineering Geology & Soil Mechanics	3	EN2001 Environmental Issues in a Changing World	3	EN2002 Environmental Biology and Microbiology	3	EN2711 Environmental Engineering Laboratory A	1	GC 0001 Introduction to Sustainability: Multidisciplinary Approaches and Solutions	1	HW0188 Engineering Communication I <i>*HW0001</i>	2	21
Year 2 Semester 2	CV1011 Mechanics of Materials	4	CV1012 Fluid Mechanics	3	CV2016 Hydrology	3	CV2019 Matrix Algebra & Computational Methods	3	EN1001 Environmental Chemistry	3	GER-PE (STS) EN0001 Sustainability Practices for Urban and Marine Environment <i>(Compulsory)</i>	3	EN2712 Environmental Engineering Laboratory B	1	ML0001 Absolute Basics For Career	1			21
Year 3 Semester 1	CV2011 Structural Analysis I <i>*CV1011</i>	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	HW0288 Engineering Communication II <i>*HW0188</i>	2	HY0001 Ethics and Moral Reasoning	1			21
Year 3 Semester 2	EN2003 Water Supply Engineering <i>*CV1012</i>	3	EN3004 Air Pollution Control Engineering <i>*Year 3 Standing</i>	3	EN4911 Final Year Project <i>*Year 4 Standing</i>	4	EN4912 Integrated Design Project <i>*Year 4 Standing</i>	3	EN4XXX Major Prescribed Elective <i>*Refer to Syllabus</i>	3	EN4XXX Major Prescribed Elective <i>*Refer to Syllabus</i>	3							19
Year 4 Semester 1	CV0002 Engineers & Society	3	CV3011 Reinforced Concrete Design <i>*CV2011</i>	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 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	EN3914 Professional Internship	10	← <i>*Year 3 Standing &amp; Completed at least 2 Semesters of study</i>																10

*\* pre-requisite*

**Total AU for Graduation    111**

Last Updated : 23-Feb-17