

**Curriculum Structure for Bachelor of Engineering (Environmental) & Bachelor of Arts in Economics with Professional Attachment - AY 2016/17**

Year	Course	AU	Course	AU	Course	AU	Course	AU	Course	AU	Course	AU	Course	AU	Course	AU	TOTAL AU
<b>Year 1 Semester 1</b>	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	HE1001 Microeconomic Principles	3	HE1002 Macroeconomic Principles	3	GC 0001 Introduction to Sustainability: Multidisciplinary Approaches and Solutions	1	HW0188 Engineering Communication I <i>*HW0001</i>	2	19
<b>Year 1 Semester 2</b>	MH1811 Mathematics 2	3	CV1012 Fluid Mechanics	3	CV1711 Engineering Drawing and 3D Building Information Modelling	1	EN1001 Environmental Chemistry	3	HE1005 Introduction to Probability and Statistical Inference	3	HE2001 Intermediate Microeconomics <i>*HE1001</i>	3	ML0001 Absolute Basics For Career	1			17
<b>Year 2 Semester 1</b>	CV1011 Mechanics of Materials	4	CV2015 Hydraulics <i>*CV1012</i>	3	MH2814 Probability & Statistics <i>*MH1810</i>	3	EN2001 Environmental Issues in a Changing World	3	EN2002 Environmental Biology and Microbiology	3	EN2711 Environmental Engineering Laboratory A	1	HE2005 Principles of Econometrics <i>*HE1005</i>	3	HY0001 Ethics and Moral Reasoning	1	21
<b>Year 2 Semester 2</b>	CV2011 Structural Analysis I <i>*CV1011</i>	3	CV2016 Hydrology	3	CV2019 Matrix Algebra & Computational Methods	3	EN2003 Water Supply Engineering <i>*CV1012</i>	3	EN2712 Environmental Engineering Laboratory B	1	HE2002 Intermediate Macroeconomics <i>*HE1002</i>	3	GER-PE (STS) EN0001 Sustainability Practices for Urban and Marine Environment (Compulsory)	3			19
<b>Year 3 Semester 1</b>	CV2013 Engineering Geology & Soil Mechanics	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	HE4010 Singapore Economy in a Globalized World <i>*HE2001 &amp; HE2002</i>	4	ET0001 Enterprise and Innovation	1	HW0288 Engineering Communication II <i>*HW0188</i>	2	ML0002 Career Power Up <i>*ML0001</i>	1	20
<b>Year 3 Semester 2</b>	EN3004 Air Pollution Control Engineering <i>*Year 3 Standing</i>	3	Econs PE 1	3	Econs PE 2	3	Econs PE 3	3	Econs PE 4	3	GER (Free Elective)	2					17
<b>Special Semester</b>	EN3915 Professional Attachment	5	← <i>* Year 3 Standing &amp; Completed at least 4 Semesters of study</i>														5
<b>Year 4 Semester 1</b>	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	EN4XXX Major Prescribed Elective <i>*Refer to Syllabus</i>	3	GER (Free Elective)	3					16
<b>Year 4 Semester 2</b>	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	HE3021 Intermediate Econometrics <i>*HE2005</i>	3	Econs PE 5	3							15
<b>Year 5 Semester 1</b>	EN4911 Final Year Project <i>*Year 4 Standing</i>	4	Econs PE 6	3	Econs PE 7	3	Econs PE 8	3	Econs PE 9	3							16
<b>Year 5 Semester 2</b>	EN4911 Final Year Project <i>*Year 4 Standing</i>	4	Econs PE 10	4	Econs PE 11	4	Econs PE 12	4									16

*\* denotes pre-requisite*

**Total AU for Graduation 181**

Last Updated : 13-Jun-17