Curriculum Structure for Bachelor of Engineering (Environmental) & Bachelor of Soc Sci in Economics - AY 2020/21

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	PH1011 Physics *Students w/o A-level Physics to do "PH1012 Physics A	3	FE1073 An Introduction to Engineering & Practices	1	CV1011 Mechanics of Materials (Engineering Fundamentals 1)	4	HY0001 Ethics and Moral Reasoning	1	ET0001 Enterprise and Innovation	1	HW0188 Effective Communication *HW0001	2	HE1001 Microeconomic Principles	3	18
Year 1 Semester 2	MH1811 Mathematics 2 *MH1810	3	CV1012 Fluid Mechanics	3	CV1014 Introduction To Computational Thinking	3	Engineering Fundamentals 2	3	EG0001 Engineers & Society	3	EN0002 Environmental Issues and Sustainability	3	HE1005 Introduction to Probability and Statistical Inference	3			21
Year 2 Semester 1	CV2011 Structural Analysis I *CV1011	3	CV2020 Water Resources Engineering *CV1012	3	EN1001 Environmental Chemistry	3	EN2004 Soil Mechanics	3	EN2711 Environmental Engineering Laboratory A	1	CV0003 Introduction to Data Science and Artificial Intelligence *CV1014	3	HE1002 Macroeconomic Principles	3	HE2005 Principles of Econometrics *HE1005	3	22
Year 2 Semester 2	CV1711 Engineering Drawing and 3D Building Information Modelling	1	EN2002 Environmental Biology and Microbiology	3	EN2003 Water Supply Engineering *CV1012	3	EN2712 Environmental Engineering Laboratory B	1	EN3003 Environmental Transport Processes	3	ML0003 Kickstart your Career Success	1	HE2001 Intermediate Microeconomics *HE1001	3	HE2002 Intermediate Macroeconomics *HE1002	3	18
Year 3 Semester 1	EN3001 Solid & Hazardous Waste Management *Year 3 Standing	3	EN3002 Wastewater Engineering *Year 3 Standing	3	EN3004 Air Pollution Control Engineering *Year 3 Standing	3	EN3006 Energy Resource Engineering	3	HW0288 Engineering Communication *HW0188	2	HE4010 Singapore Economy in a Globalized World *HE2001 & HE2002	4					18
Year 3 Semester 2	EN3914 Professional Internship	10	← *Year 3 Standing & Completed at least 4 Semesters of study														10
Year 4 Semester 1	CV4011 Project Planning & Management *Year 4 Standing	3	EN4001 Environmental Impact Analysis & Monitoring	3	EN4711 Seminars & Site Visits	1	EN4XXX Major Prescribed Elective *Refer to Syllabus	3	Econs PE 1	3	Econs PE 2	3	Econs PE 3	3			19
Year 4 Semester 2	EN4002 Environmental Systems Analysis	3	EN4912 Integrated Design Project *Year 4 Standing	3	EN4XXX Major Prescribed Elective *Refer to Syllabus	3	EN4XXX Major Prescribed Elective *Refer to Syllabus	3	HE3021 Intermediate Econometrics *HE2005	3	Econs PE 4	3					18
Year 5 Semester 1	EN4911 Final Year Project *Year 4 Standing	4	Econs PE 5	3	Econs PE 6	3	Econs PE 7	3	Econs PE 8	3	Econs PE 9	3					19
Year 5 Semester 2	EN4911 Final Year Project *Year 4 Standing	4	Econs PE 10	4	Econs PE 11	4	Econs PE 12	4									16

* pre-requisite

Total AU for Graduation 179

GER : General Education Requirement GER-Core

Last Updated : 20-May-20