

### Curriculum Structure of Bachelor of Engineering (Civil) with Business Major - Professional Attachment for AY 2014/15

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	AD1101 Financial Accounting	4	AB1201 Financial Management	3	GC 0001 Introduction to Sustainability: Multidisciplinary Approaches and Solutions	1	HW0188 Engineering Communication I <i>*(HW0001)</i>	2	20
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	AB1501 Marketing	3	BE1401 Business Operations and Processes	4	ML0001	1	22
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	AD2101 Management Accounting <i>*(AD1101)</i>	4	Ethics and Academic Integrity	1			18
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	AB0901 Principles of Economics : A Singapore Perspective	3	GER-PE (STS) CV0001 Civil Engineering and Sustainable Built Environment <i>(Compulsory)</i>	3			19
Year 3 Semester 1	CV3011 Reinforced Concrete Design <i>*(CV2011)</i>	3	CV3013 Foundation Engineering <i>*(CV2013 &amp; CV2014)</i>	3	CV3014 Transportation Engineering	3	CV3015 Environmental Engineering <i>*(CV1012)</i>	3	AB1301 Business Law	3	Enterprise and Innovation	1	HW0288 Engineering Communication II <i>*(HW0188)</i>	2			18
Year 3 Semester 2	CV3012 Steel Design <i>*(CV2011)</i>	3	CV3016 Construction Technology & Processes	3	AB1601 Organisational Behaviour and Design	3	ML0002	1	GER (Free Elective)	4							14
Special Semester	CV3912 Professional Attachment	4	← <i>*(Year 3 Standing &amp; Completed at least 4 Semesters of study)</i>													4	
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	Track Course 1	4	Track Course 2	4			22
Year 4 Semester 2	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	Track Course 3	4							17

*\*( ) denotes pre-requisite*

**Total AU for Graduation 154**

Last Updated : 10-Mar-15