

Curriculum Structure of Bachelor of Engineering (Civil) with Second Major in Business - AY 2017/18

| Year | 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 | GC0001 Sustainability: Seeing Through The Haze | 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 and 3D Building Information Modelling | 1 | AB1501 Marketing | 3 | BE1401 or AB1401 & AB1402 | 4 | ML0001 Absolute Basics For Career | 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 <i>*MH1810</i> | 3 | CV2711 Civil Engineering Laboratory A | 1 | AB1301 Business Law | 3 | AB0901 Principles of Economics : A Singapore Perspective | 3 | HY0001 Ethics and Moral Reasoning | 1 | 20 |
| 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 | CV3012 Steel Design <i>*CV2011</i> | 3 | GER-PE (STS) CV0001 Civil Engineering and Sustainable Built Environment (Compulsory) | 3 | AB1601 Organisational Behaviour and Design | 3 | 22 |
| Year 3 Semester 1 | CV3011 Reinforced Concrete Design <i>*CV2011</i> | 3 | CV3013 Foundation Engineering <i>*CV2013 & CV2014</i> | 3 | CV3014 Transportation Engineering | 3 | CV3015 Environmental Engineering <i>*CV1012</i> | 3 | ET0001 Enterprise and Innovation | 1 | CV0002 Engineers & Society | 3 | HW0288 Engineering Communication II <i>*HW0188</i> | 2 | ML0002 Career Power Up <i>*ML0001</i> | 1 | 19 |
| Year 3 Semester 2 | CV3914 Professional Internship | 10 | ← <i>*Year 3 Standing & Completed at least 4 Semesters of study</i> | | | | | | | | | | | | | 10 | |
| Year 4 Semester 1 | 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 Major Prescribed Elective <i>*Refer to Syllabus</i> | 3 | Track Course 1 | 4 | Track Course 2 | 4 | | | | | 19 |
| Year 4 Semester 2 | CV3016 Construction Technology & Processes | 3 | CV4911 Final Year Project <i>*Year 4 Standing</i> | 4 | CV4912 Integrated Design Project <i>*Year 4 Standing</i> | 3 | CV4XXX Major Prescribed Elective <i>*Refer to Syllabus</i> | 3 | CV4XXX Major Prescribed Elective <i>*Refer to Syllabus</i> | 3 | Track Course 3 | 4 | | | | | 20 |

** pre-requisite*

Total AU for Graduation 152