

Curriculum Structure of Bachelor of Engineering (Civil) with Second Major in Business - Professional Attachment - AY 2018/19

| Year | Course | AU | Course | AU | Course | AU | Course | AU | Course | AU | Course | AU | Course | AU | Course | AU | TOTAL AU | |
|-------------------|---|----|---|----|---|----|--|----|---|----|--|----|---|----|---|----|----------|---|
| Year 1 Semester 1 | CV1011 Mechanics of Materials | 4 | MH1810 Mathematics 1 | 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 | 21 | |
| Year 1 Semester 2 | MH1811 Mathematics 2 | 3 | CV1012 Fluid Mechanics | 3 | CV1013 Civil Engineering Materials | 3 | CV1014 Introduction To Computational Thinking | 3 | CV1711 Civil Engineering Drawing and 3D Building Information Modelling | 1 | AB1501 Marketing | 3 | BE1401 Business Operations and Processes | 4 | | | 20 | |
| 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 | CV0003 Introduction to Data Science and Artificial Intelligence <i>*CV1014</i> | 3 | AB1301 Business Law | 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 | GER-PE (STS) CV0001 Civil Engineering and Sustainable Built Environment <i>(Compulsory)</i> | 3 | AB1601 Organisational Behaviour and Design | 3 | | | 19 | |
| 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 | Advanced Business Course 1 | 4 | HW0288 Engineering Communication II <i>*HW0188</i> | 2 | ML0003 Kickstart your Career Success | 1 | | | 19 | |
| Year 3 Semester 2 | CV3012 Steel Design <i>*CV2011</i> | 3 | CV3016 Construction Technology & Processes | 3 | CV4XXX Major Prescribed Elective <i>*Refer to Syllabus</i> | 3 | CV4XXX Major Prescribed Elective <i>*Refer to Syllabus</i> | 3 | Advanced Business Course 2 | 4 | | | | | | | 16 | |
| Special Semester | CV3915 Professional Attachment | 5 | <i>*Year 3 Standing & Completed at least 4 Semesters of study</i> | | | | | | | | | | | | | | | 5 |
| 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 | ET0001 Enterprise and Innovation | 1 | GER-UE | 3 | | | | | 15 | |
| 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 Major Prescribed Elective <i>*Refer to Syllabus</i> | 3 | Advanced Business Course 3 | 4 | GER-UE | 2 | | | | | | | 16 | |

** pre-requisite*

Total AU for Graduation 151

GER : General Education Requirement

GER-Core

GER-Prescribed Elective

2nd Major Business Courses

Last Updated : 15-May-19