

Curriculum Structure of Bachelor of Engineering (Environmental) with Second Major in Business (International Trading) - AY 2019/20

| Year | Course | AU | Course | AU | Course | AU | Course | AU | Course | AU | Course | AU | Course | AU | Course | AU | TOTAL AU |
|-------------------|---|----|--|----|--|----|--|----|--|----|--|----|--|----|---|----|----------|
| Year 1 Semester 1 | EN2001 Environmental Issues in a Changing World | 3 | 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 | HY0001 Ethics and Moral Reasoning | 1 | HW0188 Engineering Communication I <i>*HW0001</i> | 2 | 20 |
| Year 1 Semester 2 | MH1811 Mathematics 2 | 3 | CV1012 Fluid Mechanics | 3 | CV1014 Introduction To Computational Thinking | 3 | CV1711 Civil Engineering Drawing | 1 | EN1001 Environmental Chemistry | 3 | AB1501 Marketing | 3 | BE1401 Business Operations and Processes | 4 | | | 20 |
| Year 2 Semester 1 | CV1011 Mechanics of Materials | 4 | CV2013 Engineering Geology & Soil Mechanics | 3 | CV2015 Hydraulics <i>*CV1012</i> | 3 | EN2002 Environmental Biology and Microbiology | 3 | EN2711 Environmental Engineering Laboratory A | 1 | BF2217 Commodity Markets | 3 | CV0003 Introduction to Data Science and Artificial Intelligence <i>*CV1014</i> | 3 | | | 20 |
| Year 2 Semester 2 | 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 | BF3214 Commodities Trading | 2 | BF4001 Industry Seminar | 1 | EN0001 Sustainability Practices for Urban and Marine Environment | 3 | 19 |
| Year 3 Semester 1 | 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 | MH2814 Probability & Statistics <i>*MH1810</i> | 3 | HW0288 Engineering Communication II <i>*HW0188</i> | 2 | ET0001 Enterprise and Innovation | 1 | ML0003 Kickstart your Career Success | 1 | BF2216 Trade incoterms & Ship Chartering | 4 | 20 |
| Year 3 Semester 2 | EN3914 Professional Internship | 10 | ← <i>* Year 3 Standing & Completed at least 4 Semesters of study</i> | | | | | | | | | | | | | | 10 |
| Year 4 Semester 1 | CV0002 Engineers & Society | 3 | CV4011 Project Planning & Management <i>*Year 4 Standing</i> | 3 | EN4711 Seminars & Site Visits | 1 | EN4911 Final Year Project <i>*Year 4 Standing</i> | 4 | EN4XXX Major Prescribed Elective <i>*Refer to Syllabus</i> | 3 | EN4XXX Major Prescribed Elective <i>*Refer to Syllabus</i> | 3 | BF2302 International Tax and Trading Law | 2 | | | 19 |
| Year 4 Semester 2 | CV3016 Construction Technology & Processes | 3 | EN3004 Air Pollution Control Engineering <i>*Year 3 Standing</i> | 3 | EN4911 Final Year Project <i>*Year 4 Standing</i> | 4 | EN4912 Integrated Design Project <i>*Year 4 Standing</i> | 3 | EN4XXX Major Prescribed Elective <i>*Refer to Syllabus</i> | 3 | BF3212 Trade, Structured & Supply Chair Finance <i>*BF2216</i> | 2 | BF3213 Enterprise Risk Management | 2 | | | 20 |

** pre-requisite*

Total AU for Graduation 148