|  |  |  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| **Type** | **Category** | **LEVEL 100** |  | **LEVEL 200** |  | **LEVEL 300** |  | **LEVEL 400** |  |
|  |  | **SEMESTER 1** | **SEMESTER BREAK** | **SEMESTER 2** | **SEMESTER BREAK** | **SEMESTER 1** | **SEMESTER BREAK** | **SEMESTER 2** | **SEMESTER BREAK** | **SEMESTER 1** | **SEMESTER BREAK** | **SEMESTER 2** | **EAA371 INDUSTRIAL TRAINNING FOR 10 WEEK (Register in Semester 1 Year 4)** | **SEMESTER 1** | **SEMESTER BREAK** | **SEMESTER 2** |  |
| **CORE** | **Engineering Core** | **EAA110/2****Civil Engineering Drawing**  | **EUM114/3****Advanced Engineering Calculus** | **EAA211/2** **Engineering Mathematics for Civil Engineers** | **EAP215/3 Water Supply and Treatment Engineering** | **EAP315/3 Wastewater Engineering** | **EUP222/3 Engineers in Society** | **EAA371/5** **Industrial Training** | **EAS458/2** **Pre-Stressed Concrete Design** |
| **EAA111/2** **Programming for Civil Engineering**  | **EAK163/4 Geomatic Engineering** | **EAH221/3 Fluid Mechanics for Civil Engineers** | **EAP216/3****Introduction to Environmental Engineering** | **EAL337/3****Pavement Engineering**  | **EAH325/3 Engineering Hydrology** | **EAS457/2****Structural Steel Design**  | **EAA 484/2 Building and Construction Technology** |
| **EUM113/3** **Engineering Calculus** | **EAS152/3 Strength of Materials** | **EAG245/3 Soil Mechanics** | **EAH225/3 Hydraulics** | **EAG345/3 Geotechnical Analysis** | **EAL338/3** **Transportation and Road Safety** | **EAA483/2** **Construction Management**  | **EAA492/6 (3) Final Year Project** |
| **EAG141/2****Geology for Civil Engineers** |  | **EAS253/3 Theory of Structures** | **EAL235/2****Highway and Traffic Engineering** | **EAS353/3** **Reinforced Concrete Structural Design I** | **EAG346/2 Geotechnical Design** | **EAA492/ 6 (3) Final Year Project** |  |
| **EAS151/3****Statics and Dynamics** |  | **EAA273/2** **Civil Engineering Practice**  | **EAS254/3** **Structural Analysis** |  | **EAS356/2** **Reinforced Concrete Structural Design II** | **EAA495/4 Integrated Design Project** |  |
| **EAS153/3****Civil Engineering Materials** |  |  |  |  |  |  |
| **Labs.** |  |  | **EAA204/2 Structures and** **Strength of Materials** **Laboratory** | **EAA206/2****Structures, Concrete and Fluid Mechanics Laboratory**  | **EAA305/2** **Hydraulics,****Geotechnical and Environmental Engineering Laboratory** | **EAA304/2 Geotechnical, Highway and Traffic Engineering Laboratory** |  |  |
|  | **15** |  | **10** |  | **15** |  | **16** |  | **14** |  | **15** |  | **16** |  | **7** | **108** |
| **University Requirement****(Local)** | **Co-Curriculum (2 unit )** |  | **LKM400/2****Malay Language**  |  | **LSP300/2****English Language**  |  |  |  | **Co-Curriculum/ Option /Language subject (1-2 unit)** |  | **LSP404/2****English Language** |  |  |  |  | **15** |
| **HFF225/2 Philosophy and Current Issues** | **WUS101/2 Core Entrepreneurship**  |  |  |  |
| **HFE224/2** **Appreciation of Ethics and Civilisations** |
| **University Requirement****(International)** | **Co-Curriculum (2 unit )** | **LKM100/2 Malay Language** | **LSP300/2****English Language**  | **SEA205E/4- Malaysian Studies** | **Co-Curriculum/ Option /Language subject (1-2 unit)** | **LSP404/2****English Language** |  |  | **15** |
| **HFF225/2 Philosophy and Current Issues** |  |  |  |  |  |  |
| **ELECTIVE COURSES (SPECIALISATION)** |  |  |  |  |  | **EAP316/2** **Air Pollution In Civil Engineering** | **EAP415/2** **Solid Waste Management** | **EAP414/2** **Industrial Waste Management** | **12** |
|  |  |  |  |  | **EAH316/2** **Hydraulic Structure** | **EAH417/2****Urban Water Management** | **EAH416/2** **River Conservation and Rehabilitation** |
|  |  |  |  |  | **EAS357/2** **Sustainable Concrete Materials and Practices** | **EAS451/2****Timber and Masonry Engineering** | **EAS456/2****Advanced Structural Analysis** |
|  |  |  |  |  | **EAP318/2****Noise Pollution Control** | **EAG444/2****Soil Stabilization and Ground Improvement**  | **EAG443/2****Rock Engineering and Tunneling Technology** |
|  |  |  |  |  | **EAL339/2****Sustainable Transport** | **EAL431/2****Highway Design**  | **EAL434/2****Transport Planning Process and TIA** |
|  |  |  |  |  | **EAK382/2****Geographic Information System** | **EAA485/2****Disaster Management** | **EAA486/2** **Project Management** |
|  |  |  |  |  | **Total Units for Graduation** | **135** |

**Curriculum Structure – Bachelor of Engineering (Honours) (Civil Engineering) Programme ACADEMIC SESSION 2020/2021**