

Curriculum Structure – Bachelor of Engineering (Honours) (Civil Engineering) Programme 2019/2020

Type	Category	LEVEL 100		LEVEL 200		LEVEL 300		LEVEL 400		
		SEMESTER 1	SEMESTER 2	SEMESTER 1	SEMESTER 2	SEMESTER 1	SEMESTER 2	SEMESTER 1	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	108
		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	
University Requirement (Local)			LKM400/2 Malay Language	LSP300/2 English Language	HTU223/2 Asian and Islamic Civilisation	Co-Curriculum (2 unit)	LSP404/2 English Language			15
			WUS101/2 Core Entrepreneurship SHE101/2 Ethnic Study			Co-Curriculum/ Option /Language subject (1-2 unit)				
University Requirement (International)			LKM100/2 Malay Language	LSP300/2 English Language	SEA205E/4- Malaysian Studies	Co-Curriculum (2 unit)	LSP404/2 English Language			15
			WUS101/2 Core Entrepreneurship			Co-Curriculum/ Option /Language subject (1-2 unit)				
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