

Programme Structures, Curriculums and Award Requirements

The programme is offered on full-time basis and is based on a two (2) semester per academic session. Generally, students are expected to undertake courses equivalent to between twelve (12) to eighteen (18) credit hours per semester. Assessment is based on coursework and final examinations given throughout the semester.

Award requirements:

To graduate, students must:

- Attain a total of not less than 137 credit hours with a minimum CGPA of 2.0.
- Pass Industrial Training
- Pass Professional Skills Certificate (PSC) and English Communication Skills for Graduating Students (ECS) courses

YEAR 1					
SEMESTER 1			SEMESTER 2		
CODE	COURSES	CR.	CODE	COURSES	CR.
SEAA 1011	Introduction to Civil Engineering	1	SEAA 1023	Engineering Surveying	3
SEAA 1213	Engineering Mechanics	3	SEAA 1422	Engineering Drawing	2
SEAA 1513	Fluid Mechanics	3	SEAA 1713	Soil Mechanics	3
SSCE 1693	Engineering Mathematics I	3	SSCE 1793	Differential Equations	3
UHLB 1112	English Communication Skills	2	SSCE 1993	Engineering Mathematics II	3
ULRS1182	Appreciation Of Ethics & Civilizations	2	ULRS 1032	Integrity and Anti Corruption	2
UHLM1012 **	Malay Language for Communication 2	2			
TOTAL CREDIT		14	TOTAL		16

**Elective course for international students only

SHORT SEMESTER		
CODE	COURSES	CR.
SEAA 1031	Surveying Camp	1

YEAR 2					
SEMESTER 1			SEMESTER 2		
CODE	COURSES	CR.	CODE	COURSES	CR.
SEAA 2012	Civil Engineering Laboratory 1	2	SEAA 2112	Civil Engineering Materials	2
SEAA 2032	Mechanical and Electrical Systems	2	SEAA 2223	Mechanics of Materials and Structures	3
SEAA 2513	Hydraulics	3	SEAA 2413	Computer Programming	3
SEAA 2722	Geotechnics 1	2	SEAA 2712	Engineering Geology and Rock Mechanics	2
SEAA 2832	Highway Engineering	2	SEAA 2922	Wastewater Engineering	2
SEAA 2912	Water Treatment	2	SSCE 2193	Engineering Statistics	3
SSCE 2393	Numerical Methods	3	ULRF 2**2	Service Learning & Engagement Courses	2
UHLB 2122	Professional Communication Skills 1	2	ULRS 1022	Philosophy & Current Issues (Local Students)	2
TOTAL CREDIT		18	TOTAL CREDIT		19

YEAR 3					
SEMESTER 1			SEMESTER 2		
CODE	COURSES	CR.	CODE	COURSES	CR.
SEAA 3123	Construction Technology, Contract & Estimating	3	SEAA 3012	Civil Engineering Laboratory 2	2
SEAA 3243	Theory of Structures	3	SEAA 3022	Integrated Design Project 1	2
SEAA 3313	Reinforced Concrete Design 1	3	SEAA 3323	Structural Steel & Timber Design	3
SEAA 3412	Building Information Modelling and Data Management	2	SEAA 3613	Hydrology and Water Resources	3
SEAA 3712	Geotechnics 2	2	SEAA 3842	Traffic Engineering	2
UHLX 1**2	Foreign Language for Communication	2	SEAA 3913	Environmental Management	3
ULRS 3032	Entrepreneurship & Innovation	2	UHLB 3132	English for Professional Purpose	2
TOTAL CREDIT		17	TOTAL CREDIT		17

SHORT SEMESTER		
CODE	COURSES	CR.
SEAA 3045	Industrial Training	5

YEAR 4					
SEMESTER 1			SEMESTER 2		
CODE	COURSES	CR.	CODE	COURSES	CR.
SEAA 4021	Civil Engineering Seminar	1	SEAA 4032	Integrated Design Project 2	2
SEAA 4022	Research Methodology and Pre-Project	2	SEAA 4034	Final Year Project	4
SEAA 4223	Structural Analysis	3	SEAA 4113	Constructions & Project Management	3
SEAA 4##3	Elective 1	3	SEAA 4333	Reinforced Concrete Design 2	3
SEAA 4##3	Elective 2	3	SEAA 4##3	Elective 3	3
***3	OPEN ELECTIVE	3			
TOTAL CREDIT		15	TOTAL CREDIT		15

Professional Skills Certificate (PSC)	
CODE	COURSES
GLRM0010	Talent an Competency Management (TCM)
GLRB0010	Design Thinking for Entrepreneur (DTE)
GLRT00##	Elective Course
GLRT00##	Elective Course

*offered to Year 3 & Year 4 students only

English Communication Skills for Graduating Students (ECS)	
CODE	COURSES
GLRT0010	English Communication Skills for Graduating Students (ECS)

*offered to Year 4 students only