UTM Faculty of Civil Engineering — UNIVERSITI TEKNOLOGI MALAYSIA	**CURRICULUM FOR 4 YEARS** **STARTING SEMESTER 1 SESSION 2019/2020** **BACHELOR IN CIVIL ENGINEERING**	No. Dokumen : FKA.L.PP.09 Tarikh Kuatkuasa : 21/08/2023 Tarikh Semakan : 09/01/2024 Edisi : No. Semakan : 00

Name: **IC No:**

NO.	CODE	COURSE	CREDIT EARNED (JKD)	CREDIT COUNTED (JKK)	PASS (√)	YEAR/ SEMESTER											
						YEAR 1			YEAR 2			YEAR 3			YEAR 4		
						1 (Sept)	2 (Feb)	SS	3 (Sept)	4 (Feb)	SS	5 (Sept)	6 (Feb)	SS	7 (Sept)	8 (Feb)	SS
a) CIVIL ENGINEERING COURSES																	
1	SEAA 1011	Civil Engineering Fundamentals	1	1													
2	SEAA 1023	Engineering Surveying	3	3													
3	**SEAA 1031**	**Survey Camp** (YEAR 1/ SHORT SEMESTER)	**1**	**HL**													
4	SEAA 1213	Engineering Mechanics	3	3													
5	SEAA 1422	Engineering Drawing	2	2													
6	SEAA 1513	Fluid Mechanics	3	3													
7	SEAA 1713	Soil Mechanics	3	3													
8	SEAA 2012	Civil Engineering Laboratory 1	2	2													
9	SEAA 2032	Mechanical & Electrical Systems	2	2													
10	SEAA 2112	Civil Engineering Materials	2	2													
11	SEAA 2223	Mechanics of Materials and Structures	3	3													
12	SEAA 2413	Computer Programming	3	3													
13	SEAA 2513	Hydraulics	3	3													
14	SEAA 2712	Engineering Geology and Rock Mechanics	2	2													
15	SEAA 2722	Geotechnics 1	2	2													
16	SEAA 2832	Highway Engineering	2	2													
17	SEAA 2912	Water Treatment	2	2													
18	SEAA 2922	Wastewater Engineering	2	2													
19	SEAA 3012	Civil Engineering Laboratory 2	2	2													
20	SEAA 3022	Integrated Design Project 1	2	2													
21	**SEAA 3045**	**Industrial Training** (YEAR 3/SHORT SEM.) for 12 weeks/3 months	**5**	**HL**													
22	SEAA 3123	Construction Technology, Estimating & Contract	3	3													
23	SEAA 3243	Theory of Structures	3	3													
24	SEAA 3313	Reinforced Concrete Design I	3	3													
25	SEAA 3323	Structural Steel & Timber Design	3	3													
26	SEAA 3412	Building Information Modelling & Data Management	2	2													
27	SEAA 3613	Hydrology and Water Resources	3	3													
28	SEAA 3712	Geotechnics 2	2	2													
29	SEAA 3842	Traffic Engineering	2	2													
30	SEAA 3913	Environmental Management	3	3													
31	**SEAA 4021**	**Civil Engineering Seminar (SEMKA)**	**1**	**HL**													
32	SEAA 4022	Research Methodology and Pre-Project	2	2													
33	SEAA 4034	Final Year Project	4	4													
34	SEAA 4032	Integrated Design Project 2	2	2													
35	SEAA 4113	Construction & Project Management	3	3													
36	SEAA 4223	Structural Analysis	3	3													
37	SEAA 4333	Reinforced Concrete Design 2	3	3													
38	SEAA 4##3	Elective 1	3	3													
39	SEAA 4##3	Elective 2	3	3													
40	SEAA 4##3	Elective 3	3	3													
		TOTAL CREDIT OF CIVIL ENGINEERING COURSES (a)	**101**	**94**													
b) MATHEMATICS COURSES (Faculty of Science)																	
1	SSCE 1693	Engineering Mathematics I	3	3													
2	SSCE 1793	Differential Equations	3	3													
3	SSCE 1993	Engineering Mathematics II	3	3													
4	SSCE 2193	Engineering Statistics	3	3													
5	SSCE 2393	Numerical Methods	3	3													
		TOTAL CREDIT OF MATHEMATICS COURSES (b)	**15**	**15**													
c) UNIVERSITY GENERAL COURSES																	
Cluster 1: Malaysia Core Value (2 courses only)																	
1	ULRS1022	Philosophy and Current Issues	2	2													
2	ULRS1182	Appreciation of Ethics & Civilisations	2	2													
3	UHLM1012	Malay Language Communication 2 (for International Students only)	2	2													
Cluster 2 : Value & Identity																	
1	ULRS1032	Integrity and Anti Corruption	2	2													
Cluster 3 : Global Citizen																	
1	ULRF 2##2	Service Learning & Engagement Course	2	2													
Cluster 4 : Communication Skills																	
1	**UHLB1112**	**English Communication Skills**	**2**	**HL**													
2	UHLB2122	Professional Communication Skills 1	2	2													
3	UHLB3132	English for Professional Purposes	2	2													
4	UHL# 1112	Elective Of Foreign Language	2	2													
Cluster 5 : Enterprising Skills																	
1	ULRS3032	Enterpreneurship & Innovation	2	2													
Cluster 6 : Free Elective																	
1	#### ###3	Open Elective (* to be taken at other faculty)	3	3													
		TOTAL CREDIT of UNIVERSITY GENERAL COURSES (c)	**21**	**19**													
		TOTAL CREDIT TO GRADUATE (a + b + c)	**137**	**128**													
Professional Skills Certificate (PSC) (SPACE/FKA)																	
1	*GLRM0010*	Talent and Competency Management (TCM)															
2	*GLRB0010*	Design Thinking for Entrepreneur (DTE)															
3	*GLRT00##*	Electives Courses															
4	*GLRT00##*	Electives Courses															
English Communication Skills for Graduating Students (ECS) (Akademi Bahasa)																	
1	*GLRT0010*	English Communication Skills For Graduating Students (ECS)															
		CPA :															
		CGPA :															
		Cumulative Credit Counted of All Semester/ Jumlah Kredit Kira (JKK) :															
		Cumulative Credit Earned of All Semester/ Jumlah Kredit Dapat (JKD) :															
		Results (KB, KS or KG) :															
		Deferment of Study :															
		Academic Advisor's Signature :															