

BACHELOR OF ENGINEERING (HONS.) CIVIL

Year	Sem	Code	Courses	Credit Hours	L	T	P	Contact Hrs/wk	Pre-requisite
					/ weeks				
1	1 (14 weeks)	KFS1113	Engineering Mathematics 1	3	3	-	-	3	
		KCS1102	Civil Engineering Drafting	2	-	-	2	2	
		KCS1113	Statics & Dynamics	3	2	-	-	2	
		KCS1253	Engineering Surveying	3	3	-	-	3	
		KCS1251	Survey Field Works	1	3	-	-	3	
		ZES1133	Technical English 1	3	3	-	-	3	ZES 1133
Total Credit				15					
1	2 (7 Weeks)	MPU U1	TITAS/ Bahasa Melayu Komunikasi	3					
		MPU U3	U3	2					
Total Credit				5					
1	3 (14 weeks)	KFS1213	Engineering Mathematics 2	3	2	-	-	2	KFS1113
		KCS2123	Fluid Mechanics	3	3	-	-	3	KCS1113
		KCS1213	Strength of Materials	3	3	-	-	3	KCS1113
		KFS2143	Computer Programming	3					
		ZES1243	Technical English 2	3	1	-	1	3	ZES1133
Total Credit				15					
2	1 (14 weeks)	KFS2113	Engineering Mathematics 3	3	3	-	1	5	KFS1213
		KCS2113	Theory of Structure	3					KCS1213
		KCS2142	Soil Mechanics	2					KCS1213
		KCS1142	Engineering Geology	2	2	-	-	3	
		KCS2263	Civil Engineering Material	3	3	-	-	3	
		KCS2101	Laboratory 1	1	1	-	-	3	KCS1213 & KCS2123
Total Credit				14					
2	2 (7 Weeks)	KCS2351	Survey Camp	1	-	-			KCS 1253 & KCS 1251
Total Credit				1					
2	3 (14 weeks)	KFS2213	Engineering Mathematics 4	3	3	-	-	3	KFS2113
		KCS2292	Reinforce Concrete Design 1	2	3	-	-	3	KCS2113
		KCS2243	Geotechnical Engineering 1	3					KCS2142
		KCS2201	Laboratory 2	1					KCS2113 & KCS2142
		KCS3183	Water and Wastewater Engineering	3					
		KCS2223	Hydraulics	3	3	-	-	3	KCS2123
Total Credit				15					
3	1 (14 weeks)	KCS3163	Concrete Technology	3	3	-	-	3	KCS2263
		KCS3232	Highway Engineering	2	3	-	-	3	KCS2263
		KCS3292	Reinforced Concrete Design 2	2					KCS2292
		KCS3283	Environmental Management	3					
		KCS3123	Hydrology	3	3	-	-	3	KCS2123
		KCS3101	Laboratory 3	1	3	-	1	5	KCS2223, KCS2243, KCS3163
		KFS 3122	Entrepreneurship	2	2			2	
Total Credit				16					
3	2 (12 weeks)	KFS 3236	Industrial Training	6			6		Completed Y1, Y2 & Y3 (94 credits)
Total Credit				6					
3	3 (14 weeks)	MPI U1	Hubungan Etnik/ Pengajian Malaysia 3	3	3	-	1	5	
		KCS3273	Construction Engineering and Safety	3					
		KCS3212	Structural Analysis	2					KCS2113
		KCS3293	Steel and Timber Design	3	4	-	-	5	
		KCS3233	Traffic Engineering	3	3	-	-	3	
		KCS3201	Laboratory 4	1	-	-	-		KCS3232, KCS3183
Total Credit				15					
4	1 (14 weeks)	KFS3223	Engineering Management & Economic	3	3	-	-	3	
		KFS4132	Final Year Project 1	2	-	-	-		Completed Y1, Y2 & Y3
		KCS4293	Civil Works Projects	3	3	-	-	3	KCS3292
		KCS4172	Mechanical and Electrical System	2				3	
		KFS 4142	Engineer and Society	2	2	-	-	2	KFS 3236
		KCS****	Elective 1	3	3	-	-	3	
Total Credit				15					
4	2 (7 Weeks)	MPU U2	U2	2					
		MPU U4	Kokurikulum/ Khidmat Masyarakat	2	2			2	
Total Credit				4					
4	3 (14 weeks)	KFS4234	Final Year Project 2	4	3	-	-	3	KFS4132
		KCS4273	Construction Management and Planning	3	3	-	-	3	
		KCS4292	Design Project	2	-	-	-		KCS3293, KCS4293
		KCS****	Elective 2	3	3	-	-	3	
		KCS****	Elective 3	3	3	-	-	3	
Total Credit				15					
Total Credit Hours:				136					
Elective Courses 1 (Electrical Related)									
		KCS 4213	Introduction to Finite Element Method	3					KCS 2113, KCS 2243
		KCS 4283	Solid Waste Management	3					KCS 3283
		KCS 4183	Wastewater Treatment	3					KCS 3183
		KCS 4233	Highway Construction	3					KCS 3233
		KCS 4263	Composite Material	3					KCS 2263
		KCS 4193	Advanced Steel Works Design	3					KCS 3293

