

PROGRAMME STRUCTURE

Year	Sem	Code	Course	Required	Credit Unit
I	1	ULE1310	Fundamentals of English Language	Univ	0
		ULE1322	English for Academic Communication	Univ	2
		UQA2002	Co-Curriculum	Univ	2
		BUM2123	Applied Calculus	Univ	3
		BEL1113	Fundamental of Electrical Engineering	Fac	3
		BKC1253	Physical Chemistry	Prog	3
		Total			13
	2	ULE2332	English for Technical Communication	Univ	2
		BKC1323	Organic Chemistry	Prog	3
		BUM2133	Ordinary Differential Equations	Univ	3
		BMM1213	Statics	Fac	3
		Total			11
	3	BKC1333	Thermodynamics	Prog	3
		BKC1752	Chemical Engineering Lab I	Prog	2
		Total			5
II	4	UHC1012	Falsafah dan Isu Semasa	Univ	2
		BCI1103	Computer Programming for Engineers	Fac	3
		BUM2413	Applied Statistics	Univ	3
		BAA2313	Fluid Mechanics	Fac	3
		Total			11
	5	UHC2022	Penghayatan Etika dan Peradaban	Univ	2
		UL*1312	Foreign Language	Univ	2
		BKC2443	Chemical Engineering Thermodynamics	Prog	3
		BKC2353	Material & Energy Balance	Prog	3
		KUK2443	Numerical Methods & Optimization	Fac	3
		Total			12
	6	BKC1243	Analytical Chemistry	Prog	3
		BKC2433	Mass Transfer	Prog	3
		Total			6
III	7	UHC1032	Kursus Integriti dan Anti-Rasuah (KIAR)	Univ	2
		KUK2142	Engineering Economics	Fac	2
		BKC2473	Heat Transfer	Prog	3
		BKC2732	Chemical Engineering Lab II	Prog	2
		BKC2453	Chemical Reaction Engineering I	Prog	3
		Total			12

	8	BMM1133	Material Science	Prog	3
		BKC3002	Sustainable energy	Prog	2
		BKC3433	Process Control & Dynamic	Prog	3
		BKC3463	Unit Operation	Prog	3
		Total			12
	9	BKC3552	Process Simulation and Computer Aided Design	Prog	2
		KUK3022	Engineering in Society	Common	2
		Total			4
IV	10	ULE2342	English for Professional Communication	Univ	2
		BKC3112	Process Safety in Chemical Industries	Prog	2
		BKC3472	Chemical Reaction Engineering II	Prog	2
		BKC3922	Undergraduate Research Project I	Prog	2
		BKC3**3	Elective 1	Elective	3
		Total			11
	11	UGE2002	Technopreneurship	Univ	2
		BKC3732	Chemical Engineering Lab III	Prog	2
		BKC3492	Separation Process	Prog	2
		BKC4944	Undergraduate Research Project II	Prog	4
		BKC3**3	Elective 2	Elective	3
		Total			13
	12	BKF4915	Industrial Training	Prog	5
		Total			5
V	13	KES4**3	Cross-disciplinary elective course	Elective	3
		BKC4792	Chemical Engineering Lab IV	Prog	2
		BKC4543	Environmental Engineering	Prog	3

		BKC4914	Process Synthesis	Prog	4
		Total			12
	14	KUK4412	Project Management	Common	2
		BKC4**3	Elective 4	Elective	3
		BKC4924	Integrated Design Project	Prog	4
		Total			9
	TOTAL CREDIT UNITS				136