

PROGRAMME STRUCTURE
BACHELOR OF CHEMICAL ENGINEERING TECHNOLOGY WITH HONOURS (BTK)
FACULTY OF CHEMICAL AND PROCESS ENGINEERING TECHNOLOGY (FTKCP)

YEAR	SEMESTER	CURRICULUM STRUCTURE		
		CODE	COURSE NAME	CREDIT HOURS
1	1	UHC1012	Falsafah dan Isu Semasa	2
		BUM1223	Calculus	3
		UQA2002	Co-Curriculum	2
		BTK1153	Professional Ethics & Society	3
		BTK1113	Analytical Chemistry	3
		BTK1132	Chemistry Laboratory	2
		BTK1163	Organic Chemistry	3
	Year 1 Semester 1 Total Credit			18
	2	BUM2113	Applied Mathematics	3
		UHL2412	English for Academic Communication	2
		BTK1143	Physical Chemistry	3
		BTK1224	Static & Strength of Materials	4
		BTK1253	Thermodynamics	3
		BTK1243	Fluid Mechanics	3
Year 1 Semester 2 Total Credit			18	
Year 1 Total Credit			36	
2	1	UHL2422	English for Technical Communication	2
		BUM2413	Applied Statistics	3
		UHF1**1	Foreign Language I	1
		UGE2002	Technopreneurship	2
		BTK2214	Computer Programming for Technologist	4
		BTK2223	Chemical Process Principles	3
		BTK2232	Electrical Technology	2
		UHS1022	Soft Skills	2
	Year 2 Semester 1 Total Credit			19
	2	UHL2432	English for Professional Communication	2
		BTK2244	Numerical Methods	4
		BTK2252	Mass Transfer	2
		BTK2263	Heat Transfer	3
		BTK2274	Computer Aided Design and Process Simulation	4
BTK2284		Chemical Reactor Technology	4	
Year 2 Semester 2 Total Credit			19	
Year 2 Total Credit			38	
3	1	UHC2022	Penghayatan Etika dan Peradaban	2
		UHF2**1	Foreign Language II	1
		BTK3214	Separation Process I	4
		BTK3223	Plant Utilities	3
		BTK3253	Process Management and Economics	3
		BTK3243	Chemical Plant Safety	3
		BTK38*3	Elective I	3
	Year 3 Semester 1 Total Credit			19

	2	BTK3254	Environmental & Sustainable Technology	4	
		BTK3263	Separation Process II	3	
		BTK3274	Process Instrumentation and Control	4	
		BTK3714	Final Year Project I	4	
		BTK38*3	Elective II	3	
		Year 3 Semester 2 Total Credit			18
		Year 3 Total Credit			37
4	1	BTK38*3	Elective III	3	
		BTK4716	Final Year Project II	6	
		BTK4214	Plant Automation	4	
		BTK4224	Plant Troubleshooting and Maintenance	4	
		Year 4 Semester 1 Total Credit			17
	2	BTK4912	Industrial Training	12	
		Year 4 Semester 2 Total Credit			12
Year 4 Total Credit			29		
TOTAL KREDIT			140		

ELECTIVE COURSES			
No.	CODE	COURSE NAME	CREDIT HOURS
1	BTK3873	Operation Management ('E)	3
2	BTK3843	Food Engineering Technology ('E)	3
3	BTK3863	Oleo Chemical Technology ('E)	3
4	BTK3813	Petroleum Refining & Petrochemical Technology ('E)	3
5	BTK3823	Bioprocess Technology ('E)	3