University of Technology, Jamaica

School of Engineering

Module Selection Guide

B.Eng. Chemical Engineering

AY2018/9

Student's Name: ……………………………………………………………

Student's ID #: ....

Start Date: ………………………………………………………………

Academic Advisor: …………..………………..

YEAR [LEVEL]	PERIOD (Access Options)			MODULE CODE	MODULE TITLE	CREDIT HOURS	PRE-REQUISITE MODULE CODE (Indicate - P (Pass) OR T (Taken))
	S1	S2	Sum				
1	√	√	√	**COM1020**	**Academic Writing 1**	3	
1	√		√	**MAT2018**	**BEng Mathematics 1 - Calculus 1**	3	CAPE Math/MATH1059 [P]
1	√			PHS1005	Engineering Physics 1	4	CAPE Physics [P]
1	√			**CMP1003**	**Computers in Engineering**	4	
1	√			**ENG1009**	**Engineering Tools**	3	
1	√	√	√	CSP1001	Community Service Project	1	
						18	
1		√		ELE2210	Electrical Technology	3	
1		√		**CHE1001**	**Elementary Principles of Chemical Engineering**	4	ENG1009 [P]
1	√	√	√	**COM2014**	**Academic Writing 2**	3	COM1020 [P]
1		√		**MAT2022**	**BEng Mathematics 2 - Calculus 2**	3	MAT2018 [T]
1		√		ENG2008	Engineering Statics	3	
		√		ENG1006	Engineering Seminar	1	
1		√		LIB1001	Library Fundamentals	1	
						18	
2	√	√		**SPA1001**	**Spanish for Engineers 1**	3	
2	√		√	CHY2018	Physical Chemistry	4	
2	√		√	**MAT3004**	**BEng Mathematics 3- Differential Equations**	3	MAT2018[T]
2	√			CHY2026	Biochemistry	3	
2	√			CHY2027	Biochemistry Lab	1	
2	√			ENT3001	Entrepreneurial skills	3	
						17	
2		√		**SPA1002**	**Spanish for Engineers 2**	3	SPA1001 [P]
2		√		CHE3001	Unit Operations 3: Particle Technology	3	CHE1001 [P]
2		√		ENG3001	Material Science with corrosion	3	
2		√	√	CHY3022	Analytical Chemistry	4	CHE2018/CHE2026

YEAR [LEVEL]	PERIOD (Access Options)			MODULE CODE	MODULE TITLE	CREDIT HOURS	PRE-REQUISITE MODULE CODE (Indicate - P (Pass) OR T (Taken))
	S1	S2	Sum				
2		√		**STA2023**	**Engineering Statistics**	3	
2		√		**CHE3012**	**Unit Operations 2**	3	CHE1001 [T]
						19	
3	√			CHE3006	Chemical Reaction Engineering	3	CHE1001 [P]
3	√	√	√	ENG4016	Management for Engineers	3	
3	√			**CHE3003**	**Chemical Engineering Thermodynamics I**	3	CHE1001 [T]
3	√			**CHE3008**	**Unit Operations 5: Mass Transfer**	3	CHE1001 [P]
3	√			**CHE3004**	**Unit Operations 4: Heat Transfer**	3	CHE1001 [T]
3	√			CHE4022	Inorganic Chemical Technology	3	CHE1001 [P]
						18	
3		√		**SPA2007**	**Spanish for Engineers 3**	3	SPA1002[P]
3		√		CHE2003	Unit Operations Laboratory 1	1	CHE3001 [T], CHE3012 [T]
3		√		CHE2004	Chemical and Biological Process Principles	1	CHE1001 [P]
3		√		CHE2001	Unit Operations 1: Transport Phenomena	4	CHE1001 [T]
3		√		CHE3007	Chemical Engineering Thermodynamics II	3	CHE3003 [T]
3		√		CHE3005	Unit Operations Laboratory II	1	CHE3004 [P], CHE3008 [P] CHE3012 [P]
						13	
4	√			CHE4018	Wastewater Treatment	3	
4	√			SPA2006	Spanish for Engineers 4	1	SPA2007 [P]
4	√			CHE4003	Process Control & Dynamics 1	3	CMP1003 [P] MAT3004 [T]
4	√			**CHE4025**	**Chemical Engineering Plant Design & Economics I**	2	CHE3004[P], CHE3008[P] CHE3012[P]
4	√			**PRJ4029**	**Research Methods for Engineering Research**	3	STA2023[T], COM2014[P]
4	√			xxxx	University Elective	3	
						15	

YEAR [LEVEL]	PERIOD (Access Options)			MODULE CODE	MODULE TITLE	CREDIT HOURS	PRE-REQUISITE MODULE CODE (Indicate - P (Pass) OR T (Taken))
	S1	S2	Sum				
4		√		CHE4026	Chemical Engineering Plant Design & Economics II	2	CHE4025 [P]
4		√		CHE3002	Mathematical Modelling	3	
4		√		PRJ4030	Engineering Research Project	3	PRJ4029 [T]
4		√		CHE xxxx	Chemical Engineering Elective	3	
4		√		CHE xxxx	Chemical Engineering Elective	3	
						14	
	√	√	√	ENG4010	Industrial Experience	2	
					Total	134	

Chemical Engineering Electives

(Two are to be selected)

YEAR [LEVEL]	PERIOD			MODULE CODE	MODULE TITLE	CREDIT HOURS
	S1	S2	Sum			
4		√		CHE4016	Air Pollution Control*	3
4		√		CHE4019	Remediation Technology*	3
4		√		CHE4023	Polymer Science for Engineering	3

* Maximum of 20 students for elective