

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:



FYI

Modules in bold print must be taken in the semesters in which they are listed because of prerequisite rules which affect eligibility for accessing modules in subsequent semesters.

Please speak to your Programme Leader/Academic Advisor about electives and to confirm whether there are module changes.

Remember, your Academic Advisor is here to assist you in making your academic decisions!

Contact Info:

Programme Director: Miss Paula O. Henry

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Programme Leader: Dianne A. Plummer

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YEAR	PERIOD (Access Options)			AR (Acces			MODULE CODE	MODULE TITLE	CREDIT	PRE-REQUISITE MODULE CODE
[LEVEL]	S1	S2	Sum			HOURS	(Indicate - P (Pass) OR T (Taken)			
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		$\sqrt{}$		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				
		$\sqrt{}$		ENG1006	Engineering Seminar	1				
1		\checkmark		LIB1001	Library Fundamentals	1				
						18				
2	√	$\sqrt{}$		SPA1001	Spanish for Engineers 1	3				
2	√		$\sqrt{}$	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		\checkmark	√	CHY3022	Analytical Chemistry	4	CHE2018/CHE2026			

YEAR	PERIOD (Access Options)			MODULE CODE	MODULE CODE MODULE TITLE	CREDIT	PRE-REQUISITE MODULE CODE
[LEVEL]	S1	S2	Sum			HOURS	(Indicate - P (Pass) OR T (Taken)
2		√		STA2023	Engineering Statistics	3	
2		√		CHE3012	Unit Operations 2	3	CHE1001 [T]
						19	
3	\checkmark			CHE3006	Chemical Reaction Engineering	3	CHE1001 [P]
3	\checkmark		$\sqrt{}$	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		$\sqrt{}$		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	PRE-REQUISITE MODULE CODE
	S1	S2	Sum			HOURS	(Indicate - P (Pass) OR T (Taken)
4		√		CHE4026	Chemical Engineering Plant Design & Economics II	2	CHE4025 [P]
4		√		CHE3002	HE3002 Mathematical Modelling		
4		√		PRJ4030	Engineering Research Project		PRJ4029 [T]
4		√		CHE xxxx	Chemical Engineering Elective		
4		√		CHE xxxx	CHE xxxx Chemical Engineering Elective		
						14	
	√	√	√	ENG4010	Industrial Experience		
					Total	134	

Chemical Engineering Electives (Two are to be selected)

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

^{*} Maximum of 20 students for elective