

List of units offered for SK401 Bachelor of Engineering (Chemical) (Honours) (S2 2019)

No.	Unit Code (New/Old)	Unit of Study Title	Prerequisites
1	CEE20004	Safe and Sustainable Design	CVE10002 or ENG10001
2	CEE20002	Chemical Engineering Thermodynamics	Nil
3	CEE20003	Fluid Mechanics C	MTH10007 or MTH10012 & MTH10013
4	CEE30001	Transport Phenomena	HEC2421&HEC2411 or CEE20002 & CEE20003
5	CEE30005	Multiphase Processes	HEC2421/CEE20003
6	CEE30003	Process Mass Transfer	HEC2411/CEE20002
7	CEE40001	Final Year Research Project 1 (Chemical)	275 Credit points
8	CEE40002	Process Plant Design 1	HEC3523 & 275 Credit points
9	CEE40003	Final Year Research Project 2 (Chemical)	CEE40001/HEC4771
10	CEE40004	Process Plant Design 2	CEE40002
11	CEE40015	Chemical Engineering Computations	CEE30006

List of Elective units for Chemical Engineering Students (S2 2019)

Unit Code (New/Old)	Unit of Study Title	Prerequisites
CEE40015	Chemical Engineering Computations	CEE30006
BIO10003	Concept of Biotechnology	250 credit
PEH20006	Water Science	CHE10001 or CEE20005
NPS10001	Introduction to e-Science	Nil

SK401 Bachelor of Engineering (Chemical) (Honours)
Recommended Study Sequence for S2 2019 Intake (Sept 2019)

Year	Semester	Unit Code (New/Old)	Unit of Study Title	Prerequisites
1	1 (S2 2019)	ENG10001	Engineering, Design and Innovation	Nil
		ENG10002	Engineering Materials	Nil
		MTH10012	Calculus and Applications	Nil
		PHY10001	Energy and Motion	Nil
	2 (S1 2020)	ENG10004	Digital and Data Systems	Nil
		MTH10013	Linear Algebra and Applications	Nil
		PHY10004	Electronics and Electromagnetism	Nil
		ENG10003	Mechanics of Structures	Nil
2	3 (S2 2020)	MME30001	Engineering Management 1	100 Credit points
		CEE20002/HEC2411	Chemical Engineering Thermodynamics	Nil
		CEE20003/HEC2421	Fluid Mechanics C	MTH10012 & MTH10013
		CEE20004/HEC2412	Safe and Sustainable Design	ENG10001
	4 (S1 2021)	CEE20005	Engineering Chemistry	Nil
		CEE20001/HEC2311	Introduction to Chemical Engineering Design	ENG10001
		MTH20010	Mathematics 3A	MTH10012 & MTH10013
		CEE30002/HEC3622	Reaction Engineering	ENG10002
3	5 (S2 2021)	CEE30001/HEC3651	Transport Phenomena	CEE20002 & CEE20003
		CEE30005/HEC3514	Multiphase Processes	CEE20003
		CEE30003/HEC4722	Process Mass Transfer	CEE20002
		MME40001	Engineering Management 2	100 Credit points
	6 (S1 2022)	CEE30004/HEC3521	Process Heat Transfer	CEE20002
		CEE30006/HEC3523	Process Modelling and Optimisation	CEE20001 & MTH20010
		CEE30007/HEC3512	Process Control & Measurements	MTH20010
		CEE30008/HEC4842	Environmental Engineering	CEE20001 For other program 250 credit
4	7 (S2 2022)	CEE40001/HEC4771	Final Year Research Project 1 (Chemical)	275 Credit points
		CEE40002/HEC4824	Process Plant Design 1	CEE30006 & 275 Credit points
			Elective Unit	
			Elective Unit	
	8 (S1 2023)	CEE40003/HEC4873	Final Year Research Project 2 (Chemical)	CEE40001
		CEE40004/HEC4825	Process Plant Design 2	CEE40002
			Elective Unit	
			Elective Unit	
Students must complete 2 compulsory, non-credit point units (0 credit points) <ul style="list-style-type: none">Professional Experience in Engineering (EAT20008)MPU (General Studies) unit				