SK401 Bachelor of Engineering (Chemical) (Honours)

Recommended Study Sequence for S2 2021 Intake (Sept 2021)

*** STUDENT EXCHANGE:** If you plan to go for student exchange, please make an appointment to meet and discuss the course planner with the Discipline Leader (email: jchew@swinburne.edu.my) before enrolment/week 1 of **Year 1, Semester 1**.

Year	Semester	Unit Code	Unit of Study Title	Prerequisites
1	1 (S2 2021)	ENG10001	Engineering, Design and Innovation	Nil
		ENG10002	Engineering Materials	Nil
		MTH10012	Calculus and Applications	Nil
		PHY10001	Energy and Motion	Nil
	2 (S1 2022)	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 2022)	COS10022	Introduction to Data Science	Nil
		CEE20002	Chemical Engineering Thermodynamics	Nil
		CEE20003	Fluid Mechanics C	MTH10012 & MTH10013
		CEE20004	Process Safety and Sustainability	ENG10001
	4 (S1 2023)	CEE20005	Engineering Chemistry	Nil
		CEE20001	Introduction to Chemical Engineering Design	ENG10001
		MTH20010	Mathematics 3A	MTH10012 & MTH10013
		CEE30002	Reaction Engineering	ENG10002
3	5 (S2 2023)	CEE30001	Transport Phenomena	CEE20002 & CEE20003
		CEE30005	Multiphase Processes	CEE20003
		CEE30003	Process Mass Transfer	CEE20002
		SWE20004	Technical Software Development	ENG10004
	6 (S1 2024)	CEE30004	Process Heat Transfer	CEE20002
		CEE30006	Process Modelling and Optimisation	CEE20001 & MTH20010
		CEE30007	Process Control & Measurements	MTH20010
		CEE30008	Environmental Engineering	CEE20001 For other program 250 credit
4	7 (S2 2024)	ENG40001	Final Year Research Project 1	287.5 Credit points
		CEE40002	Process Plant Design 1	CEE30006 & 275 Credit points
		MME30001	Engineering Management 1	100 Credit points
		BIO10003	Concepts of Biotechnology	250 credit points
	8 (S1 2025)	ENG40002	Final Year Research Project 2	ENG40001
		CEE40004	Process Plant Design 2	CEE40002
		MME40001	Engineering Management 2	100 Credit points
		COS20083	Advance Data Analytics	COS10081 & COS10009/SWE20004

Students must complete 2 compulsory, non-credit point units (0 credit points)

- **Professional Experience in Engineering (EAT20008)**
- **MPU (General Studies) unit**