

2022 Study Plan

Bachelor of Engineering (Honours) (Chemical) with Bachelor of Finance and Banking – Semester 1 Start

Year 1				
S 1	MATHS 1011 Mathematics IA <input type="checkbox"/>	*CHEM 1100 Chemistry IA OR CHEM 1101 Foundations of Chemistry IA <input type="checkbox"/>	CHEM ENG 1007 Introduction to Process Engineering <input type="checkbox"/>	ACCTING 1002 Introductory Accounting <input type="checkbox"/>
S 2	MATHS 1012 Mathematics IB <input type="checkbox"/>	*CHEM 1200 Chemistry IB OR CHEM 1201 Foundations of Chemistry IB <input type="checkbox"/>	▲ENG 1001 Introduction to Engineering <input type="checkbox"/>	ENG 1003 Programming (Matlab and Excel) <input type="checkbox"/>
Year 2				
S 1	MATHS 2106 Differential Equations for Engineers II <input type="checkbox"/>	CHEM ENG 2010 Process Design II <input type="checkbox"/>	CHEM ENG 2018 Process Fluid Mechanics <input type="checkbox"/>	ECON 1012 Principles of Economics I <input type="checkbox"/>
S 2	MATHS 2107 Statistics & Numerical Methods II <input type="checkbox"/>	CHEM ENG 2011 Process Engineering Thermodynamics <input type="checkbox"/>	CHEM ENG 2014 Heat and Mass Transfer <input type="checkbox"/>	CORPFIN 1002 Business Finance <input type="checkbox"/>
Year 3				
S 1	ENG 3005 Research Methodology & Project Management <input type="checkbox"/>	CHEM ENG 3034 Chemical Reactor Engineering <input type="checkbox"/>	CHEM ENG 3035 Fluid & Particle Mechanics <input type="checkbox"/>	ECON 1009 International Financial Institutions & Markets I <input type="checkbox"/>
S 2	CHEM ENG 3036 Unit Operations Laboratory <input type="checkbox"/>	CHEM ENG 3030 Process Design III <input type="checkbox"/>	CHEM ENG 3031 Process Control & Instrumentation <input type="checkbox"/>	CHEM ENG 3033 Separation Process Engineering <input type="checkbox"/>
Internship				
All Engineering students commencing from 2019 are required to complete a minimum of 8 weeks of internship during the course of their studies – see note below elective table.				
Year 4				
S 1	CHEM ENG 3029 Material Science and Engineering <input type="checkbox"/>	CHEM ENG 4034 Chemical Engineering Practice <input type="checkbox"/>	CHEM ENG 4050 Advanced Chemical Engineering <input type="checkbox"/>	CORPFIN 2504 Options, Futures & Risk Management <input type="checkbox"/>
S 2	Level IV Chemical Engineering Elective (see elective table) <input type="checkbox"/>	CORPFIN 2501 Financial Institutions Management <input type="checkbox"/>	CORPFIN 2502 Business Valuation <input type="checkbox"/>	Level III Finance and Banking Elective <input type="checkbox"/>
Year 5				
S 1	CHEM ENG 4056 Process Design IV <input type="checkbox"/>	CORPFIN 3501 Portfolio Theory & Management <input type="checkbox"/>	ECON 2508 Financial Economics II <input type="checkbox"/>	ECON 3511 Money, Banking & Financial Markets III <input type="checkbox"/>
S 2	CHEM ENG 4014 Plant Design Project (6 units) <input type="checkbox"/>	CHEM ENG 4054 Research Project <input type="checkbox"/>	MATHS 3012 Financial Modelling: Tools & Techniques <input type="checkbox"/>	
Core Courses		Elective (see table)	Double Degree Course	

See study plan notes below elective table.

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Electives Table

Level IV Chemical Engineering Elective						
S1	MECH ENG 4112	Combustion Technologies & High Temperature Processes		S2	CHEM ENG 4048	Biofuels, Biomass and Wastes
	CHEM ENG 4051	Water and Wastewater Engineering			CHEM ENG 4058	Metallurgical Processes
WS	CHEM ENG 4074	Brewery Engineering		TBC	CHEM ENG 4075	Winery Engineering (not offered 2022)

NOTES

EAL: Unless exempted, International students are required to take ENG 1011 Introduction to Engineering - EAL in lieu of ENG 1001 Introduction to Engineering

Chemistry: Students with at least C+ in SACE Stage 2 Chemistry (or equivalent) must enrol in CHEM 1100 Chemistry IA and CHEM 1200 Chemistry IB. All other students must enrol into CHEM 1101 Foundations of Chemistry IA and CHEM 1201 Foundations of Chemistry IB.

Finance elective: Students can choose Finance electives in accordance with the academic program rules for the Bachelor of Finance:

<https://calendar.adelaide.edu.au/faculty/professions>

Internships: All Engineering students commencing from 2019 are required to complete a minimum of 8 weeks of internship during the course of their studies. Internships are self-sourced and further information can be found on the Engineering Internships web page: <https://ecms.adelaide.edu.au/study-with-us/student-support/internships/engineering>.

Program Rules: For academic program rules please refer to the following website: <https://calendar.adelaide.edu.au/faculty/ecms>

Information and Enrolment Advice:

Ask ECMS

Email: askecms@adelaide.edu.au

Website: <https://ecms.adelaide.edu.au/study-with-us/student-support>