

2022 Study Plan

Bachelor of Engineering (Honours) (Chemical) with Bachelor of Science Semester 2 Start

Year 1				
S 1				
S 2	MATHS 1011 Mathematics IA <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"/>	~Level I Science Elective <input type="checkbox"/>
Year 2				
S 1	MATHS 1012 Mathematics IB <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"/>	~Level I Science Elective <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"/>	~Level II Science Elective <input type="checkbox"/>
Year 3				
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"/>	ENG 1003 Programming (Matlab & Excel) <input type="checkbox"/>
S 2	CHEM ENG 3033 Separation Process Engineering <input type="checkbox"/>	CHEM ENG 3030 Process Design III <input type="checkbox"/>	CHEM ENG 3031 Process Control & Instrumentation <input type="checkbox"/>	~Level II Science Elective <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	ENG 3005 Research Methods & Project Management <input type="checkbox"/>	CHEM ENG 3034 Chemical Reactor Engineering <input type="checkbox"/>	~Level II Science Elective <input type="checkbox"/>	~Level II Science Elective <input type="checkbox"/>
S 2	CHEM ENG 3036 Unit Operations Laboratory <input type="checkbox"/>	~Level III Science Elective <input type="checkbox"/>	~Level III Science Elective <input type="checkbox"/>	~Level III Science Elective <input type="checkbox"/>
Year 5				
S 1	CHEM ENG 4056 Process Design IV <input type="checkbox"/>	CHEM ENG 4034 Chemical Engineering Practice <input type="checkbox"/>	CHEM ENG 4050 Advanced Chemical Engineering <input type="checkbox"/>	CHEM ENG 3035 Fluid & Particle Mechanics <input type="checkbox"/>
S 2	CHEM ENG 4054 Research Project <input type="checkbox"/>	CHEM ENG 4014 Plant Design Project (6 units) <input type="checkbox"/>		Level IV Chemical Engineering Elective (see elective table) <input type="checkbox"/>
Year 6				
S 1	CHEM ENG 3029 Material Science and Engineering <input type="checkbox"/>	~Level III Science Elective <input type="checkbox"/>	~Level III Science Elective <input type="checkbox"/>	~Level III Science Elective <input type="checkbox"/>
Core Courses		Elective (see table)	Double Degree Courses	

See study plan notes below elective table.

Electives Table

Level II Chemical Engineering Elective					
			S2	CHEM ENG 2012 CHEM ENG 2019 CHEM ENG 2073	Pharmaceutical Production Processes Introduction to Minerals Processing Food Engineering
Level IV Chemical Engineering Elective					
S1	CHEM ENG 4051 MECH ENG 4112	Water and Wastewater Engineering Combustion Technologies & High Temperature Processes	S2	CHEM ENG 4048 CHEM ENG 4058	Biofuels, Biomass and Wastes Metallurgical Processes
TBC	CHEM ENG 4075	Winery Engineering (<i>not offered 2022</i>)	WS	CHEM ENG 4074	Brewery Engineering

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.

~Science Electives: Science Electives may be chosen from courses listed in the Program Rules for the degree of Bachelor of Science. Students must complete a major in accordance with the Program Rules for the Bachelor of Science: <https://calendar.adelaide.edu.au/faculty/sciences>

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>