

Bachelor of Engineering (Honours) (Chemical) and Bachelor of Arts

Year 1				
S 1	MATHS 1011 Mathematics IA <input type="checkbox"/>	*CHEM 1100 Chemistry IA <input type="checkbox"/> <b>OR</b> CHEM 1101 Foundations of Chemistry IA <input type="checkbox"/>	CHEM ENG 1007 Introduction to Process Engineering <input type="checkbox"/>	ARTS 1007 The Enquiring Mind <input type="checkbox"/>
S 2	MATHS 1012 Mathematics IB <input type="checkbox"/>	*CHEM 1200 Chemistry IB <input type="checkbox"/> <b>OR</b> 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 Principles of Process Engineering <input type="checkbox"/>	CHEM ENG 2018 Process Fluid Mechanics <input type="checkbox"/>	Level I/ II Science Electives <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 Chemical Engineering Elective (see elective table) <input type="checkbox"/>
Year 3				
S 1	ENG 3004 Systems Engineering and Industry Practice <input type="checkbox"/>	CHEM ENG 3034 Chemical Reactor Engineering <input type="checkbox"/>	CHEM ENG 3035 Fluid & Particle Mechanics <input type="checkbox"/>	Level II Arts Elective <input type="checkbox"/>
S 2	CHEM ENG 3036 Unit Operations <input type="checkbox"/>	CHEM ENG 3030 Process Synthesis and Design <input type="checkbox"/>	CHEM ENG 3031 Process Control and 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 4056 Design Practice <input type="checkbox"/>	CHEM ENG 3029 Material Science and Engineering <input type="checkbox"/>	CHEM ENG 4034 Professional Practice IV <input type="checkbox"/>	CHEM ENG 4050 Advanced Chemical Engineering <input type="checkbox"/>
S 2	CHEM ENG 4054 Research Project <input type="checkbox"/>	Level IV Chemical Engineering Elective (see elective table) <input type="checkbox"/>	CHEM ENG 4014 Plant Design Project (6 units) <input type="checkbox"/>	
Year 5				
S 1	~Arts Major Course <input type="checkbox"/>	~Arts Major Course <input type="checkbox"/>	~Arts Major Course <input type="checkbox"/>	~Arts Major Course <input type="checkbox"/>
S 2	~Arts Major Course <input type="checkbox"/>	~Arts Major Course <input type="checkbox"/>	~Arts Major Course <input type="checkbox"/>	~Arts Major Course <input type="checkbox"/>

Core Courses	Elective (see table)	Double Degree Course
--------------	----------------------	----------------------

See study plan notes below elective table.

## Electives Table

Level II Chemical Engineering Elective					
			S2	CHEM ENG 2012 CHEM ENG 2019 <del>CHEM ENG 2073</del>	Pharmaceutical Production Processes Introduction to Minerals Processing <del>Food Engineering (not offered 2021)</del>
Level IV Chemical Engineering Elective					
S1	CHEM ENG 4046 CHEM ENG 4051 CHEM ENG 4059	Combustion Processes Water and Wastewater Engineering Pyrometallurgy	S2	CHEM ENG 4048 CHEM ENG 4058	Biofuels, Biomass and Wastes Hydrometallurgy and Electrometallurgy
TBC	<del>CHEM ENG 4074</del> CHEM ENG 4075	<del>Brewery Engineering (not offered 2021)</del> <del>Winery Engineering (not offered 2021)</del>			

### 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.

**Arts:** Students must complete a major in accordance with the academic program rules for the Bachelor of Arts: <https://calendar.adelaide.edu.au/faculty/arts>

**Internship:** All Engineering students commencing from 2019 are required to complete a minimum of 8 weeks of internship during the course of their studies. The 8 weeks of internship must be supervised by a qualified engineer and may be completed in one placement or a series of placements. The Faculty recommends students undertake internships upon commencement of third year engineering courses. Internships are self-sourced and resources are available through [Careers Service](#). Register with CareerHub to access a database where opportunities are posted.

**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](mailto:askecms@adelaide.edu.au)

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