

Bachelor of Engineering (Honours) (Chemical) – All Major with
Bachelor of Mathematical and Computer Sciences (Maths Major)

Year 1				
S1	MATHS 1011 Mathematics IA # <input type="checkbox"/>	CHEM 1100 Chemistry IA <input type="checkbox"/> or CHEM 1101 Foundations of Chemistry IA * <input type="checkbox"/>	CHEM ENG 1007 Introduction to Process Engineering <input type="checkbox"/>	Course Selection A <input type="checkbox"/>
S2	MATHS 1012 Mathematics IB <input type="checkbox"/>	CHEM 1200 Chemistry IB <input type="checkbox"/> 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				
Courses will be available for Year 2 in 2020				
Practical Experience				
Students must complete the compulsory practical experience requirement comprising of ENG 3100 Engineering Practice 1 (3 units), ENG 3200 Engineering Practice 2 (3 units) and an 8-week placement. These requirements can be undertaken from Year 2 onwards and must be completed in order to be eligible to graduate. Further information can be found on the Practical Experience website. (link)				
Year 3				
Courses will be available for Year 3 in 2021				
Year 4				
Courses will be available for Year 4 in 2022				
Year 5				
Courses will be available for Year 5 in 2023				

Please see NOTES below before enrolling into the above courses

Core Courses

Course dependent on your Major– See Course Selection Summary below

Mathematical Courses

NOTES

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

#Students who have not passed SACE Stage 2 Specialist Maths must enrol in MATHS 1013 Mathematics IM before enrolling in MATHS 1011 Mathematics IA. Manage your enrolment by completing MATHS 1013 Mathematics IM in semester 1 followed by MATHS 1011 Mathematics IA in semester 2 and MATHS 1012 Mathematics IB in summer school. MATHS 1013 Mathematics IM is in addition to the requirements of this program.

+ Please refer to the program rules for the definition of an Applied Maths, Pure Maths, Statistics or Mathematical Sciences major. Refer to the degree finder for elective choices.

For a complete list of courses that constitute the program, including majors, please refer to the academic program rules website: <https://calendar.adelaide.edu.au/faculty/ecms>

Further Information and Enrolment Advice

Faculty of Engineering, Computer and Mathematical Sciences

Email: askecms@adelaide.edu.au

www.ecms.adelaide.edu.au

*Students with a subject achievement grade of at least C+ in SACE Stage 2 Chemistry (or equivalent) must enrol in CHEM1100 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.

Course Selection Summary

This course choice is dependent on the major stream that you choose. Please see the Major list below to help guide your enrolment.

Pharmaceutical Engineering Major

A BIOLOGY 1101 Biology I: Molecules, Genes & Cells Core

Standard Degree (No Major)

A Level 1 Engineering Elective

Minerals Processing Major

A Level 1 Engineering Elective

Engineering Electives for Level 1

CHOOSE FROM THE FOLLOWING LEVEL 1 ELECTIVES

S1	ELEC ENG 1101 Electronic Systems <input type="checkbox"/>	CEME 1004 Engineering Mechanics- Statics <input type="checkbox"/>		
S2	MECH ENG 1007 Engineering Mechanics- Dynamics <input type="checkbox"/>	CEME 1002 Introduction to Infrastructure <input type="checkbox"/>		