

## Bachelor of Engineering (Chemical Engineering) – 2020 Beginning of Year Entry

Teaching Period 1, 2020		Teaching Period 2, 2020	
<a href="#">Study Period 1</a>	<a href="#">MA1000</a> :03 Mathematics Foundations PREREQ: MA1020, Mathematics B or Mathematics C	<a href="#">Study Period 2</a>	<a href="#">EG1010</a> :03 Process Engineering Assumed Knowledge: Senior Mathematics B, Mathematics C or MA1020
<a href="#">Study Period 1</a>	<a href="#">EG1000</a> :03 Engineering 1	<a href="#">Study Period 2</a>	<a href="#">EG1012</a> :03 Electric Circuits Assumed Knowledge: Senior Mathematics B, Mathematics C or MA1020
<a href="#">Study Period 1</a>	<a href="#">EG1002</a> :03 Computing and Sensors	<a href="#">Study Period 2</a>	<a href="#">MA1003</a> :03 Mathematical Techniques PREREQ: MA1000, MA1011 or MA1009
<a href="#">Study Period 1</a>	<a href="#">PH1005</a> :03 Advanced Stream Physics 1 PREREQ: Mathematics B, MA1020, MA1000 or MA1008	<a href="#">Study Period 2</a>	<a href="#">EG1011</a> :03 Statics and Dynamics PREREQ: PH1005 or Mathematics C and Physics
Teaching Period 1, 2021		Teaching Period 2, 2021	
<a href="#">Study Period 1</a>	<a href="#">MA2000</a> :03 Mathematics for Scientists and Engineers PREREQ: MA1003	<a href="#">Study Period 2</a>	<b>Major Subject</b> <a href="#">CH1002</a> :03 Chemistry: Principles and Applications PREREQ: CH1001 or CH1011
<a href="#">Study Period 1</a>	<b>Major Subject</b> <a href="#">CH1001</a> :03 Chemistry: A Central Science PREREQ: CH1020, EG1010 or High School Senior Chemistry Assumed Knowledge: Senior Mathematics B, Mathematics C or MA1020	<a href="#">Study Period 2</a>	<b>Major Subject</b> <a href="#">CS3008</a> :03 Fluid Mechanics PREREQ: MA2000 and ME2512
<a href="#">Study Period 1</a>	<b>Major Subject</b> <a href="#">CL2501</a> :03 Process Analysis PREREQ: EG1010	<a href="#">Study Period 2</a>	<b>Major Subject</b> <a href="#">EE3600</a> :03 Automatic Control 2 PREREQ: EG1012 and MA2000
<a href="#">Study Period 1</a>	<b>Major Subject</b> <a href="#">ME2512</a> :03 Thermofluid Mechanics PREREQ: EG1011	<a href="#">Study Period 2</a>	Minor Subject/Elective Subject (depending on chosen structure)
Teaching Period 1, 2022		Teaching Period 2, 2022	
<a href="#">Study Period 1</a>	<a href="#">EG3000</a> :03 Engineering Project Management PREREQ: EG1000, EG1002, EG1010, EG1011, EG1012, MA1000, MA1003 and either (PH1005 or EG1001) or 36 credit points	<a href="#">Study Period 2</a>	<b>Major Subject</b> <a href="#">CH2103</a> :03 Analytical Chemistry PREREQ: CH1001 or CH1011
<a href="#">Study Period 1</a>	<b>Major Subject</b> <a href="#">CL3010</a> :03 Chemical Engineering Thermodynamics PREREQ: CL2501 and MA2000	<a href="#">Study Period 2</a>	<b>Major Subject</b> <a href="#">ME3512</a> :03 Heat and Mass Transfer PREREQ: MA2000
<a href="#">Study Period 1</a>	<b>Major Subject</b> <a href="#">CL3021</a> :03 Mass Transfer Operations PREREQ: CL2501 and MA2000	<a href="#">Study Period 2</a>	<b>Major Subject</b> <a href="#">CL4538</a> :03 Bioprocess Engineering PREREQ: CL3010 and CL3021
<a href="#">Study Period 1</a>	Minor Subject/Elective Subject (depending on chosen structure)	<a href="#">Study Period 2</a>	<b>Major Subject</b> <a href="#">CL3030</a> :03 Reactor Design PREREQ: CL2501 and MA2000

Teaching Period 1, 2023		Teaching Period 2, 2023	
<a href="#">Study Period 1</a>	<b>EG4011</b> :03 Thesis Part 1 of 2 PREREQ: 72 credit points	<a href="#">Study Period 2</a>	<b>EG4012</b> :03 Thesis Part 2 of 2 PREREQ: EG4011
<a href="#">Study Period 1</a>	<b>Major Subject</b> <b>CL4040</b> :03 Safety, Environment and Sustainability in the Process Industry PREREQ: CL3010, CL3021 and CL3030	<a href="#">Study Period 2</a>	<b>Major Subject</b> <b>CL4072</b> :03 Chemical Engineering Design (Part 1 of 2) PREREQ: CL4071
<a href="#">Study Period 1</a>	<b>Major Subject</b> <b>CL4071</b> :03 Chemical Engineering Design (Part 1 of 2) PREREQ: CL3010, CL3021, CL3030, CL4538, CS3008 and ME3512	<a href="#">Study Period 2</a>	<b>Major Subject</b> <b>CL4537</b> :03 Minerals and Solids Processing PREREQ: CL3010, CL3021 and CL3030
<a href="#">Study Period 1</a>	Minor Subject/Elective Subject (depending on chosen structure)	<a href="#">Study Period 2</a>	Minor Subject/Elective Subject (depending on chosen structure)

#### PROFESSIONAL ACCREDITATION STATUS

This course is accredited by Engineers Australia. Graduates are immediately eligible for graduate membership of Engineers Australia and, following a period of professional practice, may become Chartered Professional Engineers (CPEng).

#### ADDITIONAL COMPLETION REQUIREMENTS

Approved exposure to Professional Engineering Practice, including required activities and industry placement, equivalent to a minimum 60 days full-time industry placement.

Must hold current Senior First Aid certificate at the time of graduation.

#### SPECIAL REQUIREMENTS (MAJORS AND MINORS)

Some subjects in each of the majors and minors may require students to participate in field trips, site visits or other off-campus activities. A fee may be charged by the College for transport or subsistence associated with these trips

#### SPECIAL ASSESSMENT REQUIREMENTS

The engineering thesis topic must be specific to the student's chosen engineering major

#### ADDITIONAL INFORMATION

[Bachelor of Engineering course handbook](#)  
[Chemical Engineering major handbook](#)