

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

Teaching Period 1, 2020		Teaching Period 2, 2020	
<a href="#">Study Period 1</a>	<a href="#">CP1402</a> :03 Internet Fundamentals	<a href="#">Study Period 2</a>	<a href="#">CP1403</a> :03 Design Thinking
<a href="#">Study Period 1</a>	<a href="#">EG1000</a> :03 Engineering 1	<a href="#">Study Period 2</a>	<a href="#">EG1010</a> :03 Process Engineering Assumed Knowledge: 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="#">EG1012</a> :03 Electric Circuits Assumed Knowledge: Mathematics B, Mathematics C or MA1020
<a href="#">Study Period 1</a>	<a href="#">MA1000</a> :03 Mathematical Foundations PREREQ: MA1020, Mathematics B or Mathematics C	<a href="#">Study Period 2</a>	<a href="#">MA1003</a> :03 Mathematical Techniques PREREQ: MA1000, MA1011 or MA1009
Teaching Period 1, 2021		Teaching Period 2, 2021	
<a href="#">Study Period 1</a>	<a href="#">CP1404</a> :03 Programming II PREREQ: CP1801, CP1401, EG1002 or CP2200	<a href="#">Study Period 2</a>	<a href="#">EG1011</a> :03 Statics and Dynamics PREREQ: PH1005 or Mathematics C
<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="#">CP2406</a> :03 Programming III PREREQ: CP1404 or CP1804
<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 Secondary Chemistry	<a href="#">Study Period 2</a>	Select 3 credit points of subjects from <a href="#">List 1</a>
Teaching Period 1, 2022		Teaching Period 2, 2022	
<a href="#">Study Period 1</a>	<a href="#">CP2404</a> :03 Database Modelling	<a href="#">Study Period 2</a>	<a href="#">CP3407</a> :03 Advanced Software Engineering PREREQ: CP1404, CP1804 and 18cp of CP Subjects
<a href="#">Study Period 1</a>	<a href="#">EG3000</a> :03 Engineering Project Management PREREQ: EG1000, EG1002, EG1010, EG1011, EG1012, MA1000, MA1003 and (PH1005 and EG1001) or 36cp of subjects	<a href="#">Study Period 2</a>	<b>Major Subject</b> <a href="#">CH2103</a> :03 Analytical Chemistry PREREQ: CH1001 and CH1011
<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>	Select 3 credit points of subjects from <a href="#">List 2</a>
<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>	Select 3 credit points of subjects from <a href="#">List 2</a>

Teaching Period 1, 2023		Teaching Period 2, 2023	
<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="#">CL3030</a> :03 Reactor Design PREREQ: CL2501 and 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="#">CS3008</a> :03 Fluid Mechanics PREREQ: MA2000 and ME2512
<a href="#">Study Period 1</a>	Select 3 credit points of subjects from <a href="#">List 2</a>	<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>	Select 3 credit points of subjects from <a href="#">List 3</a>	<a href="#">Study Period 2</a>	<b>Major Subject</b> <a href="#">ME3512</a> :03 Heat and Mass Transfer PREREQ: MA2000
Teaching Period 1, 2024		Teaching Period 2, 2024	
<a href="#">Study Period 1</a>	<a href="#">EG4011</a> :03 EG4011 Thesis Part 1 of 2 PREREQ: 96 credit points of subjects	<a href="#">Study Period 2</a>	<a href="#">EG4012</a> :03 Thesis Part 2 of 2 PREREQ: EG4011
<a href="#">Study Period 1</a>	<b>Major Subject</b> <a href="#">CL4040</a> :03 Safety, Environment and Sustainability in the Process Industries PREREQ: CL3010, CL3021 and CL3030	<a href="#">Study Period 2</a>	<b>Major Subject</b> <a href="#">CL4537</a> :03 Minerals and Solids Processing PREREQ: CL3010, CL3021 and CL3030
<a href="#">Study Period 1</a>	<b>Major Subject</b> <a href="#">CL4071</a> :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> <a href="#">CL4072</a> :03 Chemical Engineering Design (Part 2 of 2) PREREQ: CL4071
<a href="#">Study Period 1</a>	Select 3 credit points of subjects from <a href="#">List 3</a>	<a href="#">Study Period 2</a>	<b>Major Subject</b> <a href="#">CL4538</a> :03 Bioprocessing Engineering PREREQ: CL3010 and CL3021

### 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).

### SPECIAL ADMISSION 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 MAJOR REQUIREMENTS

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

### COURSE PROGRESSION REQUISITES

Where there is overlap between the core subjects for the course and the chosen major, students must contact the College to add substitute subjects to their study plans.

It is strongly recommended that in this situation students take extra engineering subjects as listed under the corresponding major in the Bachelor of Engineering (Honours) single degree.

### **SPECIAL ASSESSMENT REQUIREMENTS**

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

### **ADDITIONAL INFORMATION**

[Bachelor of Engineering – Bachelor of Information Technology course handbook](#)

[Chemical Engineering major handbook](#)