

Bachelor of Engineering (Honours) (Chemical Engineering) – Bachelor of Information Technology – 2020 Mid Year Entry

Teaching Period 1, 2021		Teaching Period 2, 2021	
Study Period 1	EG1000 :03 Engineering 1	Study Period 2	CP1402 :03 Internet Fundamentals
Study Period 1	EG1002 :03 Computing and Sensors	Study Period 2	EG1010 :03 Process Engineering
Study Period 1	Major Subject CH1001 :03 Chemistry: A Central Science PREREQ: Ch1020, EG1010 or Secondary Chemistry	Study Period 2	EG1012 :03 Electric Circuits
Study Period 1	PH1005 :03 Advanced Stream Physics 1 PREREQ: Mathematics B, MA1020, MA1000 or MA1008	Study Period 2	MA1000 :03 Mathematical Foundations PREREQ: MA1020, Mathematics B or Mathematics C
Teaching Period 1, 2022		Teaching Period 2, 2022	
Study Period 1	CP1404 :03 Programming II PREREQ: CP1801, CP1401, EG1002 or CP2200	Study Period 2	EG3000 :03 Engineering Project Management PREREQ: EG1000, EG1002, EG1010, EG1011, EG1012, MA1000, MA1003 and (PH1005 and EG1001) or 36cp of subjects
Study Period 1	MA2000 :03 Mathematics for Scientists and Engineers PREREQ: MA1003	Study Period 2	CP2406 :03 Programming III PREREQ: CP1404 or CP1804
Study Period 1	Major Subject CL2501 :03 Process Analysis PREREQ: EG1010	Study Period 2	Major Subject CL2502 :03 Chemical Engineering Thermodynamics PREREQ: CL2501 and MA2000
Study Period 1	Select 3 credit points of subjects from List 1	Study Period 2	Major Subject CH2103 :03 Analytical Chemistry PREREQ: CH1001 and CH1011

Teaching Period 1, 2023		Teaching Period 2, 2023	
Study Period 1	CP2404 :03 Database Modelling	Study Period 2	Major Subject CS3008 :03 Fluid Mechanics PREREQ: MA2000 and ME2512
Study Period 1	Major Subject ME2512 :03 Thermofluid Mechanics PREREQ: EG1011	Study Period 2	Major Subject EE3600 :03 Automatic Control 2 PREREQ: EG1012 and MA2000
Study Period 1	Major Subject CL3030 :03 Reactor Design PREREQ: CL2501 and MA2000	Study Period 2	Major Subject ME3512 :03 Heat and Mass Transfer PREREQ: MA2000
Study Period 1	Major Subject CL3021 :03 Mass Transfer Operations PREREQ: CL2501 and MA2000	Study Period 2	Major Subject CL4538 :03 Bioprocessing Engineering PREREQ: CL2502 or CL3010 and CL3021 and CL3030
Teaching Period 1, 2024		Teaching Period 2, 2024	
Study Period 1	EG4011 :03 EG4011 Thesis Part 1 of 2 PREREQ: 96 credit points of subjects	Study Period 2	EG4012 :03 Thesis Part 2 of 2 PREREQ: EG4011
Study Period 1	Major Subject CL4071 :03 Chemical Engineering Design (Part 1 of 2) PREREQ: CL3010, CL3021, CL3030, CL4538, CS3008 and ME3512	Study Period 2	Major Subject CL4072 :03 Chemical Engineering Design (Part 2 of 2) PREREQ: CL4071
Study Period 1	Select 3 credit points of subjects from List 2	Study Period 2	Major Subject CL4537 :03 Minerals and Solids Processing PREREQ: 48 credit points towards BEng
Study Period 1	Select 3 credit points of subjects from List 2	Study Period 2	CP3407 :03 Advanced Software Engineering PREREQ: CP1404, CP1804 and 18cp of CP Subjects
Teaching Period 1, 2025			
Study Period 1	Major Subject CL4040 :03 Safety, Environment and Sustainability in the Process Industries PREREQ: 48 credit points towards BEng		
Study Period 1	Select 3 credit points of subjects from List 2		
Study Period 1	Select 3 credit points of subjects from List 3		
Study Period 1	Select 3 credit points of subjects from List 3		

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](#)