

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

Teaching Period 1, 2020		Teaching Period 2, 2020	
Study Period 1	CP1402 :03 Internet Fundamentals	Study Period 2	CP1403 :03 Design Thinking
Study Period 1	EG1000 :03 Engineering 1	Study Period 2	EG1010 :03 Process Engineering Assumed Knowledge: Mathematics B, Mathematics C or MA1020
Study Period 1	EG1002 :03 Computing and Sensors	Study Period 2	EG1012 :03 Electric Circuits Assumed Knowledge: Mathematics B, Mathematics C or MA1020
Study Period 1	MA1000 :03 Mathematical Foundations PREREQ: MA1020, Mathematics B or Mathematics C	Study Period 2	MA1003 :03 Mathematical Techniques PREREQ: MA1000, MA1011 or MA1009
Teaching Period 1, 2021		Teaching Period 2, 2021	
Study Period 1	CP1404 :03 Programming II PREREQ: CP1801, CP1401, EG1002 or CP2200	Study Period 2	EG1011 :03 Statics and Dynamics PREREQ: PH1005 or Mathematics C
Study Period 1	PH1005 :03 Advanced Stream Physics 1 PREREQ: Mathematics B, MA1020, MA1000 or MA1008	Study Period 2	CP2406 :03 Programming III PREREQ: CP1404 or CP1804
Study Period 1	MA2000 :03 Mathematics for Scientists and Engineers PREREQ: MA1003	Study Period 2	Select 3 credit points of subjects from List 2
Study Period 1	CP2404 :03 Database Modelling	Study Period 2	Select 3 credit points of subjects from List 1
Teaching Period 1, 2022		Teaching Period 2, 2022	
Study Period 1	EG3000 :03 Engineering Project Management PREREQ: EG1000, EG1002, EG1010, EG1011, EG1012, MA1000, MA1003 and (PH1005 and EG1001) or 36cp of subjects	Study Period 2	CP3407 :03 Advanced Software Engineering PREREQ: CP1404, CP1804 and 18cp of CP Subjects
Study Period 1	Major Subject CS2001 :03 Engineering Strength of Materials PREREQ: EG1011	Study Period 2	Major Subject CS2003 :03 Introduction to Structural Design PREREQ: CS2001
Study Period 1	Major Subject CS2002 :03 Catchment, Stream and Lake Engineering	Study Period 2	Major Subject CS2005 :03 Introduction to Geotechnical Engineering PREREQ: EG1011
Study Period 1	Major Subject ME2512 :03 Thermofluid Mechanics PREREQ: EG1011	Study Period 2	Select 3 credit points of subjects from List 2

Teaching Period 1, 2023		Teaching Period 2, 2023	
Study Period 1	Major Subject CS3000 :03 Structural Analysis PREREQ: CS2003 and MA2000	Study Period 2	Major Subject CS3002 :03 Soil Mechanics and Geology PREREQ: CS2005
Study Period 1	Major Subject CS3001 :03 Concrete Engineering PREREQ: CS2001	Study Period 2	Major Subject CS3008 :03 Fluid Mechanics PREREQ: MA2000 and ME2512
Study Period 1	Select 3 credit points of subjects from List 2	Study Period 2	Major Subject CS3003 :03 Design of Steel and Concrete Structures PREREQ: CS2003 and CS3000
Study Period 1	Select 3 credit points of subjects from List 3	Study Period 2	Major Subject CS3004 :03 Transportation Engineering
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 CS4001 :03 Foundation Engineering and Rock Mechanics PREREQ: CS3002	Study Period 2	Major Subject CS4008 :03 Water and Wastewater Engineering PREREQ: CS2002 and EG1010
Study Period 1	Major Subject CS4002 :03 Hydraulic and Coastal Engineering PREREQ: CS3008	Study Period 2	Major Subject CS4005 :03 Civil Engineering Design PREREQ: CS3001, CS3003, CS4001 and CS4002
Study Period 1	Major Subject CS4010 :03 Finite Element Analysis and Structural Dynamics PREREQ: EG1002, EG1011 and MA2000	Study Period 2	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](#)

[Civil Engineering major handbook](#)