

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

Teaching Period 1, 2020		Teaching Period 2, 2020	
Study Period 1	MA1000:03 Mathematics Foundations PREREQ: MA1020, Mathematics B or Mathematics C	Study Period 2	EG1010:03 Process Engineering Assumed Knowledge: Senior Mathematics B, Mathematics C or MA1020
Study Period 1	EG1000:03 Engineering 1	Study Period 2	EG1012:03 Electric Circuits Assumed Knowledge: Senior Mathematics B, Mathematics C or MA1020
Study Period 1	EG1002:03 Computing and Sensors	Study Period 2	MA1003:03 Mathematical Techniques PREREQ: MA1000, MA1011 or MA1009
Study Period 1	PH1005:03 Advanced Stream Physics 1 PREREQ: Mathematics B, MA1020, MA1000 or MA1008	Study Period 2	EG1011:03 Statics and Dynamics PREREQ: PH1005 or Mathematics C and Physics
Teaching Period 1, 2021		Teaching Period 2, 2021	
Study Period 1	MA2000:03 Mathematics for Scientists and Engineers PREREQ: MA1003	Study Period 2	Major Subject CS2003:03 Introduction to Structural Design PREREQ: CS2001
Study Period 1	Major Subject CS2001:03 Engineering Strength of Materials PREREQ: EG1011	Study Period 2	Major Subject CS2005:03 Introduction to Geotechnical Engineering PREREQ: EG1011
Study Period 1	Major Subject CS2002:03 Catchment, Stream and Lake Engineering	Study Period 2	Minor Subject/Elective Subject (depending on chosen structure)
Study Period 1	Major Subject ME2512:03 Thermofluid Mechanics PREREQ: EG1011	Study Period 2	Minor Subject/Elective Subject (depending on chosen structure)
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 either PH1005 of EG1001 or 36 credit points	Study Period 2	Major Subject CS3002:03 Soil Mechanics and Geology PREREQ: CS2005
Study Period 1	Major Subject CS3000:03 Structural Analysis PREREQ: CS2003 and MA2000	Study Period 2	Major Subject CS3003:03 Design of Steel and Concrete Structures PREREQ: CS2003 and CS3000
Study Period 1	Major Subject CS3001:03 Concrete Engineering PREREQ: CS2001	Study Period 2	Major Subject CS3004:03 Transportation Engineering
Study Period 1	Minor Subject/Elective Subject (depending on chosen structure)	Study Period 2	Major Subject CS3008:03 Fluid Mechanics PREREQ: MA2000 and ME2512

Teaching Period 1, 2023		Teaching Period 2, 2023	
Study Period 1	EG4011 :03 Thesis Part 1 of 2 PREREQ: 72 credit points	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 CS4005 :03 Civil Engineering Design PREREQ: CS3001, CS3003, CS4001, and CS4002
Study Period 1	Major Subject CS4002 :03 Hydraulic and Coastal Engineering PREREQ: CS3008	Study Period 2	Major Subject CS4008 :03 Water and Wastewater Engineering PREREQ: CS2002 and EG1010
Study Period 1	Major Subject CS4010 :03 Finite Element Analysis and Structural Dynamics PREREQ: EG1002, EG1011 and MA2000	Study Period 2	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](#)

[Civil Engineering major handbook](#)