

Bachelor of Engineering (Mechanical 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 EG2010 :03 Materials Science and Engineering
Study Period 1	Major Subject CS2001 :03 Engineering Strength of Materials PREREQ: EG1011	Study Period 2	Major Subject ME2521 :03 Dynamics of Machine Elements PREREQ: EG1011
Study Period 1	Major Subject ME2512 :03 Thermofluid Mechanics PREREQ: EG1011	Study Period 2	Major Subject ME2525 :03 Machine Element Design PREREQ: CS2001
Study Period 1	Minor Subject/Elective Subject (depending on chosen structure)	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	Study Period 2	Major Subject CS3008 :03 Fluid Mechanics PREREQ: MA2000 and ME2512
Study Period 1	Major Subject ME3515 :03 Advanced Manufacturing Engineering PREREQ: (ME2518 version 3 or EG2010) and ME2525	Study Period 2	Major Subject EE3600 :03 Automatics Control 2 PREREQ: EG1012 and MA2000
Study Period 1	Major Subject EG3001 :03 Finite Element Analysis PREREQ: EG1002, EG1011 and MA2000	Study Period 2	Major Subject ME3512 :03 Heat and Mass Transfer PREREQ: MA2000
Study Period 1	Major Subject ME3511 :03 Dynamics and Acoustics PREREQ: MA2000 and ME2521	Study Period 2	Major Subject ME3525 :03 Mechanical Design PREREQ: EG3001 and ME2525

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 ME4513:03 Advanced Fluid Mechanics PREREQ: CS3008	Study Period 2	Major Subject EG4013:03 Asset Management, Maintenance and Reliability PREREQ: (EG1000, EG1002, EG1010, EG1011, EG1012, MA1000, MA1003 and PH1005 or EG1001) or 36cp of subjects
Study Period 1	Minor Subject/Elective Subject (depending on chosen structure)	Study Period 2	Major Subject ME4515:03 Advanced Mechanical Engineering Design PREREQ: ME3525
Study Period 1	Minor Subject/Elective Subject (depending on chosen structure)	Study Period 2	Major Subject ME4522:03 Energy, Conversion and Refrigeration PREREQ: ME2512

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](#)
[Mechanical Engineering major handbook](#)