

Bachelor of Engineering (Electronic Systems and Internet of Things 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	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
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 CP1404 :03 Programming II PREREQ: CP1801, CP1401, EG1002 or CP2200	Study Period 2	BX2077 :03 Project Management PREREQ: 18 credit points of subjects
Study Period 1	Major Subject EE2201 :03 Circuit Theory PREREQ: EG1012	Study Period 2	Major Subject EE2300 :03 Electronics 1 PREREQ: EG1012
Teaching Period 1, 2022		Teaching Period 2, 2022	
Study Period 1	Major Subject CP2404 :03 Database Modelling	Study Period 2	CP3407 :03 Advanced Software Engineering PREREQ: CP1404, CP1804 and 18cp of CP Subjects
Study Period 1	Major Subject EE3901 :03 Sensor Technologies PREREQ: EE2201 and CC2511	Study Period 2	Major Subject CC2011 :03 Digital Signal Processing PREREQ: MA2000
Study Period 1	Select 3 credit points of subjects from List 1	Study Period 2	Major Subject CC2511 :03 Embedded Systems Design PREREQ: EG1002 or CP1404
Study Period 1	Select 3 credit points of subjects from List 3	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 CP3650:03 Digital Control and Automation PREREQ: MA2000 and EE2201	Study Period 2	Major Subject CC3910:03 Digital Communication Technologies PREREQ: CC2011
Study Period 1	Major Subject CP3406:03 Mobile Computing PREREQ: CP1404 or CP1804 and 18cp of CP subjects	Study Period 2	Major Subject CC3501:03 Computer Interfacing and Control PREREQ: CC2511
Study Period 1	Select 3 credit points of subjects from List 2	Study Period 2	Major Subject CP3404:03 Information Security PREREQ: 12cp of subjects, 6cp must be CP subjects
Study Period 1	Select 3 credit points of subjects from List 3	Study Period 2	Major Subject MA3405:03 Statistical Data Mining for Big Data PREREQ: MA2405 and MA2000
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 CC4510:03 Digital System Design PREREQ: CC3501	Study Period 2	Major Subject CC4950:03 Design Project PREREQ: CC3501, CC3910 and EE3901
Study Period 4	Major Subject LB5222:03 Technopreneurship: the E entrepreneur	Study Period 2	Select 3 credit points of subjects from List 2
Study Period 1	Select 3cp of any undergraduate subjects	Study Period 2	Select 3cp of any undergraduate subjects

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](#)

[Electronic Systems and Internet of Things Engineering major handbook](#)