

RECOMMENDED STUDY PLAN

2022

DEGREE Bachelor of Engineering (Honours) – Bachelor of Science NAME _____

BEng. MAJOR Electrical and Electronic Engineering (EEL) - BSc MAJOR Choose a Major from Table B

To assist you with subject information, we recommend you consult with your [CSE Course/Major Advisor](#) and refer to [Subject Search](#). If you would prefer a part-time study plan, please adjust the below planner, reviewing subject prerequisites to ensure you are on track for course completion.

	Study Period 1 - SP1	Study Period 2 - SP2
Year 1	Degree Core: <u>EG1002</u> Computing and Sensors	Degree Core: <u>EG1010</u> Process Engineering
	Degree Core: <u>MA1000</u> Mathematical Foundations PREREQ: MA1020 OR MATHS B OR MATHS C	Degree Core: <u>EG1011</u> Statics and Dynamics PREREQ: PH1005 OR (PHYSICS AND MATHS C)
	Degree Core: <u>PH1005</u> Advanced Stream Physics 1 PREREQ: MATHS B OR MA1020 OR MA1000 OR MA1008	Degree Core: <u>MA1003</u> Mathematical Techniques PREREQ: MA1000 OR MA1011 OR MA1009
	Degree Core: <u>EG1000</u> Engineering 1	Degree Core: <u>EG1012</u> Electric Circuits

*Students may be required to take MA1020 in SP3 which will count as an elective line.

	Study Period 1 - SP1	Study Period 2 - SP2
Year 2	Degree Core: <u>MA2000</u> Mathematics for Scientists and Engineers PREREQ: MA1003	BEng Major Core: <u>EE2300</u> Electronics 1 PREREQ: EG1012
	BEng Major Core: <u>EE2201</u> Circuit Theory PREREQ: EG1012 AND MA2000	BEng Major Core: <u>CC2511</u> Embedded Systems Design PREREQ: EG1002 OR CP1404
	BEng Major Core: <u>CC2510</u> Digital Logic and Computing Methods PREREQ: EG1002 OR CP1401	BSc Major Core:
	BSc Major Core:	Elective: <i>see below for details</i>

	Study Period 1 - SP1	Study Period 2 - SP2
Year 3	Degree Core: <u>EG3000</u> Introduction to Systems Engineering and Project Management PREREQ: EG1000 AND EG1002 AND EG1010 AND EG1011 AND EG1012 AND MA1000 AND MA1003 AND (PH1005 OR EG1001) OR 36CP	BEng Major Core: <u>EE3700</u> Communications Systems Principles PREREQ: EE2201
	BEng Major Core: <u>PH2019</u> Introduction to Electromagnetism Optics and Early Quantum PREREQ: (EG1012 OR PH1005) AND MA1003	BEng Major Core: <u>CC3501</u> Computing Interfacing and Control PREREQ: CC2511
	BSc Major Core:	BEng Major Core: <u>EE3600</u> Automatic Control 1 PREREQ: EG1012 AND MA2000
	Elective: REQUIRED FOR BSc <u>SC2202</u> Quantitative Methods in Science PREREQ: SC1102 OR MA1020 OR MA1000 OR MATHS B OR EQUIVALENT OR <u>SC2209</u> Quantitative Methods in Science-Advanced PREREQ: SC1109 AND MA1003 PLUS 6CP OF OTHER LEVEL 1 SUBJECTS	BSc Major Core:

	Study Period 1 - SP1	Study Period 2 - SP2
Year 4	BEng Major Core: <u>EE3010</u> Digital Signal Processing PREREQ: 48CP	BEng Major Core: <u>EE4600</u> Automatic Control 2 PREREQ: EE3600
	BEng Major Core: <u>EE3300</u> Electronics 2 PREREQ: EE2300	BEng Major Core: <u>EG4013</u> Asset Management, Maintenance and Reliability PREREQ: (EG1000 AND EG1002 AND EG1010 AND EG1011 AND EG1012 AND MA1000 AND MA1003 AND (PH1005 OR EG1001)) OR 36CP
	BSc Major Core:	BSc Major Core:
	BSc Major Core:	BSc Major Core:

	Study Period 1 - SP1	Study Period 2 - SP2
Year 5	Degree Core: <u>EG4011</u> Thesis Part 1 of 2 PREREQ: 72CP	Degree Core: <u>EG4012</u> Thesis Part 2 of 2 PREREQ: EG4011
	BEng Major Core: <u>EE3400</u> Power Engineering 1 PREREQ: EE2201	BEng Major Core: <u>EE4400</u> Power Engineering 2 PREREQ: EE3400
	BEng Major Core: <u>EE4010</u> Analog Filters and Signals PREREQ: EE2201	BEng Major Core: <u>EE4500</u> Electrical and Electronic Engineering Design PREREQ: EE3600 AND EE3300 AND EE4010
	Elective: <i>see below for details</i>	Elective: <i>see below for details</i>

Further Degree Options:

Select any 2 undergraduate subjects (f required to undertake MA1020 Preparatory Mathematics, select 1 subject **AND** Select 2 Level 2 or 3 Science subjects **AND** Select a BSc Major from Table B