

RECOMMENDED STUDY PLAN

2021

DEGREE Bachelor of Engineering (Honours) MAJOR Electrical and Electronic Engineering (EEL)

NAME _____ MINOR Mining and Minerals (MNM) – Townsville only

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>EG1000</u> Engineering 1	Degree Core: <u>EG1010</u> Process Engineering
	Degree Core: <u>EG1002</u> Computing and Sensors	Degree Core: <u>EG1011</u> Statics and Dynamics PREREQ: PH1005 OR (PHYSICS AND MATHS C)
	Degree Core: <u>MA1000</u> Mathematical Foundations PREREQ: MA1020 OR MATHS B OR MATHS C	Degree Core: <u>EG1012</u> Electric Circuits
	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

	Study Period 1 - SP1	Study Period 2 - SP2
Year 2	Degree Core: <u>MA2000</u> Mathematics for Scientists and Engineers PREREQ: MA1003	Major Core: <u>CC2511</u> Embedded Systems Design PREREQ: EG1002 OR CP1300 OR CP1404
	Major Core: <u>CC2510</u> Digital Logic and Computing Methods PREREQ: EG1002 OR CP1300	Major Core: <u>EE2300</u> Electronics 1 PREREQ: EG1012
	Major Core: <u>EE2201</u> Circuit Theory PREREQ: EG1012 AND MA2000	Major Core: <u>EE3600</u> Automatic Control 1 PREREQ: EG1012 AND MA2000
	Major Core: <u>PH2019</u> Introduction to Electromagnetism Optics and Early Quantum PREREQ: (EG1012 OR PH1005) AND MA1003	Minor Core: <u>EA1110</u> Evolution of the Earth

	Study Period 1 - SP1	Study Period 2 - SP2
Year 3	Major Core: <u>EE3010</u> Digital Signal Processing PREREQ: 48CP	Major Core: <u>CC3501</u> Computing Interfacing and Control PREREQ: CC2511
	Major Core: <u>EE3300</u> Electronics 2 PREREQ: EE2300	Major Core: <u>EE3700</u> Communications Systems Principles PREREQ: EE2201
	Major Core: <u>EE3400</u> Power Engineering 1 PREREQ: EE2201	Major Core: <u>EE4600</u> Automatic Control 2 PREREQ: EE3600
	Minor Core: <u>EA2510</u> Earth Resources, Exploration and Environment PREREQ: EA1110 PLUS 9CP LEVEL 1 AN, AR, BZ, EV, MA, MB, PH, SC, (BU1004 OR BU1104) SUBJECTS	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

Year 4	Study Period 1 - SP1	Study Period 2 - SP2
	Degree Core: <u>EG4011</u> Thesis Part 1 of 2 PREREQ: 72CP	Degree Core: <u>EG4012</u> Thesis Part 2 of 2 PREREQ: EG4011
	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	Major Core: <u>EE4400</u> Power Engineering 2 PREREQ: EE3400
	Major Core: <u>EE4010</u> Analog Filters and Signals PREREQ: EE2201	Major Core: <u>EE4500</u> Electrical and Electronic Engineering Design PREREQ: EE3600 AND EE3300 AND EE3001
	Minor Core: <u>ME4521</u> Bulk Materials Handling – <i>offered ODD years only*</i> PREREQ: 48CP	Minor Core: <u>CL4537</u> Minerals and Solids Processing PREREQ: 48CP

**Will need to swap with a subject in Year 3 depending on the year.*