![James Cook University Australia logo]

The information provided is designed to provide helpful information on your study plan. Changes to subject information after this time may affect your study plan. Please refer to the enrolment resources for up to date information.

RECOMMENDED STUDY PLAN   Mid-Year Entry **2021**

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

NAME _____

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.

Year 1	*MID-YEAR ENTRY*

Study Period 2 - SP2
Degree Core: EG1010 Process Engineering
Degree Core: MA1000 Mathematical Foundations **PREREQ: MA1020 OR MATHS B OR MATHS C**
Degree Core: EG1012 Electric Circuits
List 1 OR Choose a Minor

	Study Period 1 - SP1	**Study Period 2 - SP2**
Year 2	**Degree Core:** EG1000 Engineering 1	**Major Core:** CC2511 Embedded Systems Design **PREREQ: EG1002 OR CP1300 OR CP1404**
	Degree Core: EG1002 Computing and Sensors	**Major Core:** EE3600 Automatic Control 1 **PREREQ: EG1012 AND MA2000**
	Degree Core: MA2000 Mathematics for Scientists and Engineers **PREREQ: MA1003**	**Major Core:** EE2300 Electronics 1 **PREREQ: EG1012**
	Degree Core: PH1005 Advanced Stream Physics 1 **PREREQ: MATHS B OR MA1020 OR MA1000 OR MA1008**	**Degree Core:** EG1011 Statics and Dynamics **PREREQ: PH1005 OR (PHYSICS AND MATHS C)**

SP3 (Jan-Feb)
Degree Core: MA1003 Mathematical Techniques **PREREQ: MA1000 OR MA1011 OR MA1009**

	Study Period 1 - SP1	**Study Period 2 - SP2**
Year 3	**Major Core:** PH2019 Introduction to Electromagnetism Optics and Early Quantum **PREREQ: (EG1012 OR PH1005) AND MA1003**	**Major Core:** EG4013 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**
	Major Core: CC2510 Digital Logic and Computing Methods **PREREQ: EG1002 OR CP1300**	**Major Core:** EE3700 Communications Systems Principles **PREREQ: EE2201**
	Major Core: EE2201 Circuit Theory **PREREQ: EG1012 AND MA2000**	**Major Core:** CC3501 Computing Interfacing and Control **PREREQ: CC2511**
	Major Core: EE3300 Electronics 2 **PREREQ: EE2300**	**List 1 OR Choose a Minor**

	Study Period 1 - SP1	**Study Period 2 - SP2**
Year 4	**Degree Core:** EG4011 Thesis Part 1 of 2 **PREREQ: 72CP**	**Degree Core:** EG4012 Thesis Part 2 of 2 **PREREQ: EG4011**
	Major Core: EE3400 Power Engineering 1 **PREREQ: EE2201**	**Major Core:** EE4400 Power Engineering 2 **PREREQ: EE3400**
	Major Core: EE3010 Digital Signal Processing **PREREQ: 48CP**	**Major Core:** EE4500 Electrical and Electronic Engineering Design **PREREQ: EE3600 AND EE3300 AND EE3001**
	List 1 OR Choose a Minor	**Major Core:** EE4600 Automatic Control 2 **PREREQ: EE3600**

	Study Period 1 - SP1	
Year 5	**Degree Core:** EG3000 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**	*MID-YEAR COMPLETION*
	Major Core: EE4010 Analog Filters and Signals **PREREQ: EE2201**	
	List 1 OR Choose a Minor	

Further Degree Options:

List 1:	
Study Period 1 – SP1	**Study Period 2 – SP2**
CL2501 Process Analysis – *TSV ONLY* **PREREQ: EG1010**	CP1404 Programming II **PREREQ: CP1801 OR CP1401 OR CP1200 OR EG1002 OR CP2200 OR SC1201**
CS2001 Engineering Strength of Materials **PREREQ: EG1011**	EA1110 Evolution of the Earth
EV2301 Urban Geography and Design **PREREQ: 12CP LEVEL 1 SUBJECTS**	CP2406 Programming III **PREREQ: CP1404 OR CP1804 OR CP1300**
PH2002 Classical Mechanics and Quantum Physics 1 **PREREQ: MA1003 AND PH1005 AND (PH1006 OR PH1007 OR (EG1012 AND EG1011))**	CS2004 Surveying and Construction – *TSV ONLY, offered ODD years only*
EE4000 Signal Processing 3 – *TSV only* **PREREQ: 48CP**	EG2010 Materials Science and Engineering – *TSV only*
ME4521 Bulk Materials Handling – *TSV only, offered ODD years only* **PREREQ: 48CP**	EV2502 Introduction to Geographic Information Systems **PREREQ: 12CP LEVEL 1 SUBJECTS**
MA2211 - Discrete Mathematics – *TSV ONLY* **PREREQ: MATHS B**	MA2210 - Linear Algebra **PREREQ: MA1003**
	ME2525 Machine Element Design – *TSV ONLY* **PREREQ: CS2001**
	PH2240 Atomic and Nuclear Physics – *TSV ONLY* **PREREQ: PH2002 AND MA1003**

SP11 (Nov-Feb)
EV3502 Advanced Geographic Information Systems – *TSV ONLY* **PREREQ: AT LEAST 12CP LEVEL 2 INCLUDING EV2502**