Bachelor of Engineering (Honours) (Electronic Systems and Internet of Things Engineering)

Useful study planning/enrolment resources:

Subject Search
Academic Calendars
Class Registration
Enrolment Resources

The information in the study planner is current at the time of creation may be subject to future change.

If you would prefer a part-time study plan, please adjust the below study planner; reviewing subject prerequisites to ensure you are on track for course completion.

<table>
<tr><td rowspan="2">2024</td><td colspan="2">TEACHING PERIOD 1</td><td colspan="2">TEACHING PERIOD 2</td></tr>
<tr><td>Study Period 1</td><td>MA1000:03 Mathematical Foundations
PREREQ: MA1020 or MA0020 or Maths B or Maths C
(Admission to 116209 or 116409 or 116309)</td><td>Study Period 2</td><td>EG1010:03 Process Engineering</td></tr>
<tr><td></td><td>Study Period 1</td><td>EG1002:03 Computing and Sensors</td><td>Study Period 2</td><td>EG1011:03 Statics and Dynamics
PREREQ: PH1005 or (Physics and Maths C)</td></tr>
<tr><td></td><td>Study Period 1</td><td>EG1000:03 Engineering 1</td><td>Study Period 2</td><td>EG1012:03 Electric Circuits</td></tr>
<tr><td></td><td>Study Period 1</td><td>PH1005:03 Advanced Stream Physics
PREREQ: Maths B or MA1020 or MA0020 or MA1008</td><td>Study Period 2</td><td>MA1003:03 Mathematical Techniques
PREREQ: MA1000 or MA1011 or MA1009</td></tr>
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		TEACHING PERIOD 1		TEACHING PERIOD 2
2025	Study Period 1	MA2000:03 Mathematics for Scientists and Engineers *PREREQ: MA1003*	Study Period 2	**Major** EE2300:03 Electronics 1 *PREREQ: EG1012*
	Study Period 1	**Major** EE2201:03 Circuit Theory *PREREQ: EG1012 and MA2000. Allow concurrent enrolment for MA2000*	Study Period 2	**Major** CC2511:03 Embedded Systems Design *PREREQ: EG1002 or CP1300 or CP1404*
	Study Period 1	**Major** CC2510:03 Digital Logic and Computing Methods *PREREQ: EG1002 or CP1401*	Study Period 2	Minor Subject/Elective Subject from List 1 (depending on chosen structure)
	Study Period 1	**Major** PH2019:03 Introduction to Electromagnetism Optics and Early Quantum *PREREQ: (EG012 or PH1005) and MA1003*		
				TRIMESTER 3
				Major CP1404:03 Programming II *PREREQ: CP1801 or CP1401 or CP1200 or EG1002 or CP2200 or SC1201*

2026

	TEACHING PERIOD 1		TEACHING PERIOD 2
Study Period 1	EG3000:03 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 36 credit points*	Study Period 2	**Major** CC3501:03 Computer Interfacing and Control *PREREQ: CC2511*
Study Period 1	**Major** EE3010:03 Digital Signal Processing *PREREQ: 48 credit points of subjects from BEng*	Study Period 2	**Major** EE3600:03 Automatic Control 1 *PREREQ: EG1012 and MA2000*
Study Period 1	**Major** EE3901:03 Sensor Technologies *PREREQ: EE2201 and (CC2511 or CC2003)*	Study Period 2	**Major** EE3700:03 Communications Systems Principles *PREREQ: EE2201*
Study Period 1	Minor Subject/Elective Subject (depending on chosen structure)	Study Period 2	**Major** MA3405:03 Statistical Data Mining for Big Data *PREREQ: MA2405 or MA2000 or SC2202 or SC2209*

2027

	TEACHING PERIOD 1		TEACHING PERIOD 2
Study Period 1	EG4011:03 Thesis Part 1 of 2 *PREREQ: 72 credit points in 116209*	Study Period 2	EG4012:03 Thesis Part 2 of 2 *PREREQ: EG4011*
Study Period 1	**Major** CC4510:03 Digital System Design *PREREQ: CC3501*	Study Period 2	**Major** CC4950:03 Design Project *PREREQ: CC3501 and (CC3910 or EE3700) and EE3901*
Study Period 1	Minor Subject/Elective Subject (depending on chosen structure)	Study Period 2	Minor Subject/Elective Subject (depending on chosen structure)

TRIMESTER 1	TRIMESTER 2	TRIMESTER 3
Major CP3406:03 Mobile Computing *PREREQ: (CP1404 or CP1804 and 18 credit points of CP subjects) or (CP1404 or CP1804 and admittance to BEng (course codes 102809 or 116209)*		**Major** CP3404:03 Information Security *PREREQ: CP2411 or CC3501 or (18 credit points of subjects including CP1402)*

COURSE HANDBOOK

Bachelor of Engineering (Hons) Handbook
Electronic Systems and Internet of Things Engineering Major