OF QUEENSLAND AUSTRALIA CREATE CHANGE

THE UNIVERSITY

Bachelor of Engineering (Honours) and Master of Engineering

Electrical and Computer Engineering

Undergraduate Program - Consists of 80 units
Suggested Study Plans from 2025 Commencement Onwards

Program and Course requirements

For the **Bachelor of Engineering (Honours) and Master of Engineering** full program and course requirements, <u>click here</u>. Make sure to check your program's rules to ensure you are compliant with requirements.

Prerequisite Courses

Students are expected to be aware if a course has prerequisites and must have successfully completed any required prerequisites before enrolling. A prerequisite course provides the foundational knowledge needed to progress to the next course and may be high school subjects or university-level study/courses.

Prerequisites are listed on the course profile and the course page on the <u>Programs and</u> Courses website.

Electives

Depending on your program, you may need to complete compulsory and elective courses.

Electives are courses you can choose, while compulsory courses are mandatory courses that you must study. You must successfully complete all the required units of elective and compulsory courses to meet the program requirements. Your program rules outline how many electives you can study and the types of electives you can choose from.

Search <u>Programs and Courses website</u> for your program to confirm program rules and elective options.

Academic Advice

Academic advisors provide specialist help in course selection and can look at your individual study history to make personalised recommendations on your study plan.

If you need assistance with your program, you can seek Academic Advice.

Additional Information

Course profiles are underlined and hyperlinked to their relevant course page which can be accessed by clicking the underlined text.

CRICOS: 00025B TEQSA: PRV12080

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Bachelor of Engineering (Honours) and Master of Engineering

THE UNIVERSITY OF QUEENSLAND AUSTRALIA

Electrical and Computer Engineering

Undergraduate Program - Consists of 80 units Suggested Study Plan from Semester 1, 2025 Commencement Onwards

The following is a colour reference guide, including notes around course offerings and units:

Core Courses

General Electives

Field of Study

Program Electives

CREATE CHANGE



Course offered in both Semester 1 & 2

X units

This course does not consist of 2 units



Elective may be substituted for another Elective type as per Program requirements

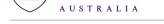
General Elective	S		•	for another Elective type as per Program requirements				
YEAR 1								
Sem 1 Feb	ENGG1100 Professional Engineering	MATH1051 Calculus and Linear Algebra I	ENGG1300 Introduction to Electrical Systems	GENERAL ELECTIVE				
				PROGRAM ELECTIVE				
Sem 2 July	CSSE1001 Introduction to Software Engineering	MATH1052 Multivariate Calc & Ordinary Differential Equations	GENERAL ELECTIVE	GENERAL ELECTIVE				
			PROGRAM ELECTIVE	PROGRAM ELECTIVE				
		YEAR 2						
Sem 1 Feb	CSSE2010 Introduction to Computer	MATH2001 Calculus & Linear Algebra II	ELEC2300 Fundamentals of Electro-	ELEC2400 Electronic Devices and Circuits				
i cb	Systems		magnetism/mechanics	Licetronic Devices and Circuits				
Sem 2 July	ENGG2800 Team Project I	Computer Systems Principles	<u>PIATIIZOTO</u>	ELEC2004 Circuits, Signals and Systems				
July		and Programming	STAT2201 ¹	on cares, orginals and officerns				
	YEAR 3							
Sem 1 Feb	CSSE3010 Embedded Systems Design and Interfacing	ELEC3004 Signals, Systems and Control	METR4201 Control Engineering 1	CSSE2002 Programming in the Large				
Sem 2	ENGG3800	ELEC3100	COMP3506	BE(Hons)/ME				
July	Team Project II	Electromagnetic Field & Wave Fundamentals	Algorithms and Data Structures	BREADTH ELECTIVE				
YEAR 4								
Sem 1	ENGG4901 ²	CSSE4011	BE(Hons)/ME	BE(Hons)/ME				
Feb	Professional Practice and the Business Environment A	Advanced Embedded Systems	BREADTH ELECTIVE	MASTERS ELECTIVE				
Sem 2	CSSE4010	BE(Hons)/ME	BE(Hons)/ME	BE(Hons)/ME				
July	Digital System Design	ELECTIVE	ELECTIVE	MASTERS ELECTIVE				
YEAR 5								
Sem 1 Feb	ENGG7291 Engineering Placement A			8 units				
Sem 2	CSSE7610	BE(Hons)/ME	BE(Hons)/ME	BE(Hons)/ME				
July	Concurrency: Theory and Practice	ELECTIVE	ELECTIVE	MASTERS ELECTIVE				
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¹ MATH2010: Analysis of Ordinary Differential Equations, STAT2201: Analysis of Engineering & Scientific Data ² Offered in Semester 2 under the course code <u>ENGG4902</u>, <u>Professional Practice and the Business Environment B</u>

Bachelor of Engineering (Honours) and Master of Engineering



Electrical and Computer Engineering

Undergraduate Program - Consists of 80 units Suggested Study Plan from Semester 2, 2025 Commencement Onwards

The following is a colour reference guide, including notes around course offerings and units:

Core Courses Field of Study **Program Electives**

General Electives





Course offered in both Semester 1 & 2

THE UNIVERSITY OF QUEENSLAND



This course does not consist of 2 units



Elective may be substituted

Sem 2 July Sem 1 Feb CSSE1001 Feb CSSE2010 Introduction to Software Fengineering MATH1052 VEAR 2 Sem 2 July Sem 1 Feb CSSE2010 Introduction to Software Fengineering MATH2001 Calculus & Linear Algebra II Systems VEAR 2 Sem 2 July Sem 1 Feb ENGG2800 Fem Project II Sem 1 Feb ENGG3800 Fem Project II Sem 1 Feb ENGG3800 Fem 1 Feb ENGG3800 Fem 2 July Sem 1 Feb ENGG3800 Fem 2 July CSSE2010 Electromagnetic Field & Wave Fundamentals Signals, Systems and Control ELEC300 Electromagnetic Field & Structures Fem 2 July CSSE2010 Fem Project II ENGG3800 Fem 2 Fem 2 July ENGG3800 Fem 2 Fem 2 July CSSE2010 Fem Project II ENGG3800 Fem 2 Fem 2 July ELEC300 Electromagnetic Field & Wave Fundamentals Fem 3 ELEC300 Electromagnetic Field & Wave Fundamentals Fem 4 Sem 2 July CSSE2010 Fem Project II ELEC300 Electromagnetic Field & Wave Fundamentals Fem 4 Sem 2 July CSSE2010 Fem Project II ELEC300 Electromagnetic Field & Wave Fundamentals Fem 5 ELEC300 Electromagnetic Field & Wave Fundamentals Fem 6 ELEC300 Electromagnetic Field & Wave Fundamentals Fem 7 Fem 8 ELEC300 Electromagnetic Field & Wave Fundamentals Fem 8 ELEC300 Electromagnetic Field & Wave Fundamentals Fem 8 ELEC300 Electromagnetic Field & Wave Fundamentals Fem 9 ELEC300 Electromagnetic Field & Wave Fundamentals ELEC300 Electromagnetic Field & Wave Fundamentals Fem 9 E	General Elective	is		•	for another Elective type as per Program requirements				
Sem 1 ENGG2800 Team Project II ELECTIVE Sem 1 ENGG3800 Team Project II ELECTIVE ELEC	YEAR 1								
Sem 1 Feb				Introduction to Electrical	GENERAL ELECTIVE				
Introduction to Software Engineering Differential Equations					PROGRAM ELECTIVE				
Sem 2 July Sem 1 Feb Engineering Differential Equations PROGRAM ELECTIVE YEAR 2 Sem 2 July Systems Sem 1 Feb ENGG2800 Team Project I ENGG2800 Team Project I ENGG3800 Tembedded Systems Design Feb Tembedded Systems Design Feb ENGG3800 Team Project II ENGG3800 Feb ELEC3004 Computer Systems Principles and Programming YEAR 3 Sem 2 July Sem 1 Feb ENGG3800 Team Project II ENGG3800 Team Project II ENGG3800 Team Project II Feb ENGG3800 Team Project II ENGG		Introduction to Software	Multivariate Calc & Ordinary	GENERAL ELECTIVE	GENERAL ELECTIVE				
Sem 2 July Sem 1 Feb ENGG2800 Team Project I Sem 2 July Sem 1 Feb ENGG2800 Team Project I Sem 2 July Sem 1 Feb ENGG2800 Team Project I Sem 2 July Sem 2 July Sem 3 Sem 4 Feb ENGG2800 Team Project I Sem 5 Feb ENGG2800 Team Project I Sem 6 Feb ENGG2800 Team Project I Sem 7 Sem 8 Sem 9 July Sem 9 Teb ELEC3100 Electromagnetic Field & Wave Fundamentals Sem 1 Feb ENGG3800 Team Project II Sem 1 Feb ENGG3800 Team Project II Sem 2 July Sem 1 Feb ENGG3800 Team Project II Sem 2 July Sem 1 Feb ENGG3800 Team Project II Sem 2 July Sem 1 Feb ENGG3800 Team Project II Sem 1 Feb ENGG3800 Team Project II Sem 2 July Sem 1 Feb ENGG3800 Team Project II Sem 2 July Sem 2 July Sem 3 ENGG3800 Team Project II Sem 4 Sem 5 ENGG3800 Team Project II Sem 6 ENGG7801 ENGG49012 Sem 1 ENGG49012 ENGG49012 ENGG49012 ENGG49012 ENGG49012 ENGG49014 ENGG				PROGRAM ELECTIVE	PROGRAM ELECTIVE				
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Sem 1 Feb	Sem 2	COSEZUIU	MATH2001	MATH2010 ¹ 1 unit	ELEC2004				
Feb Team Project I Computer systems Principles and Programming Planchementals of electronic Devices and Circuits YEAR 3 Sem 2 CSSE3010 Embedded Systems Design and Interfacing and Interfacing Peb Electronagnetic Field & Wave Fundamentals Sem 1 ENGG3800 Team Project II ELEC3100 Electromagnetic Field & Structures Sem 2 Signals, Systems and Control Control Engineering I ELECTIVE YEAR 4 Sem 2 CSSE4010 Digital System Design BE(Hons)/ME ELECTIVE Sem 1 ENGG7291 Engineering Placement A YEAR 5 Sem 2 CSSE7610 Concurrency: Theory and Practice Sem 1 ENGG49012 CSSE4011 Advanced Embedded Sem 2 ELECTIVE BE(Hons)/ME ELECTIVE BE(Hons)/ME ELECTIVE BE(Hons)/ME ELECTIVE BE(Hons)/ME ELECTIVE BE(Hons)/ME ELECTIVE BE(Hons)/ME BE(Hons)/ME ELECTIVE BE(Hons)/ME BE(Hons)/M	July	Systems		STAT2201 ¹ 1 unit					
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Feb Team Project II Signals, Systems and Control Control Engineering 1 YEAR 4 Sem 2 July Digital System Design BE(Hons)/ME ELECTIVE BE(Hons)/ME ELECTIVE BE(Hons)/ME MASTERS ELECTIVE Sem 1 ENGG7291 Engineering Placement A YEAR 5 Sem 2 July CSSE7610 Concurrency: Theory and Practice Sem 1 ENGG49012 CSSE4011 Advanced Embedded BE(Hons)/ME ELECTIVE BE(Hons)/ME BE(Hons)/ME ASTERS ELECTIVE BE(Hons)/ME BE(Hons)/ME ASTERS ELECTIVE BE(Hons)/ME BE(Hons)/ME ASTERS ELECTIVE BE(Hons)/ME BE(Hons)/ME BE(Hons)/ME ASTERS ELECTIVE BE(Hons)/ME	July	and Interfacing	Wave Fundamentals		Programming in the Large				
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Sem 2 July CSSE7610 Concurrency: Theory and Practice BE(Hons)/ME ELECTIVE BE(Hons)/ME ELECTIVE BE(Hons)/ME MASTERS ELECTIVE	Feb	Engineering Placement A							
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		ENGG4901 ² Professional Practice and the	CSSE4011 Advanced Embedded	<u> </u>					
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