

# Bachelor of Engineering (Honours) (Electrical and Electronic) with Bachelor of Finance Study Plans — Semester 1 Start

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Bachelor of Engineering (Honours) (Electrical and Electronic) with Bachelor of Finance

Year 1				
S1	<sup>^</sup> ENG 1001 Introduction to Engineering <input type="checkbox"/>	ELEC ENG 1100 Analog Electronics <input type="checkbox"/>	ENG 1002 Programming (Matlab and C) <input type="checkbox"/>	MATHS 1011 Mathematics IA <input type="checkbox"/>
S2	PHYSICS 1510 Physics 1E Mechanics & Thermodynamics <input type="checkbox"/>	ELEC ENG 1102 Digital Electronics <input type="checkbox"/>	COMP SCI 1102 Object Oriented Programming <input type="checkbox"/>	MATHS 1012 Mathematics IB <input type="checkbox"/>
Year 2				
S1	ELEC ENG 2100 Digital Systems <input type="checkbox"/>	ELEC ENG 2101 Electronic Circuits <input type="checkbox"/>	MATHS 2106 Differential Equations for Engineers II <input type="checkbox"/>	ECON 1009 International Financial Institutions & Markets I <input type="checkbox"/>
S2	ELEC ENG 2103 Design & Innovation <input type="checkbox"/>	ELEC ENG 2104 Digital Signal Processing <input type="checkbox"/>	ELEC ENG 2106 Vector Calculus & Electromagnetics <input type="checkbox"/>	CORPFIN 1002 Business Finance I <input type="checkbox"/>
Year 3				
S1	ELEC ENG 2102 Electric Energy Conversion <input type="checkbox"/>	ENG 3004 Systems Engineering and Industry Practice <input type="checkbox"/>	ELEC ENG 3103 Engineering Electromagnetics <input type="checkbox"/>	ACCTING 1002 Introductory Accounting <input type="checkbox"/>
S2	MATHS 2107 Statistics & Numerical Methods II <input type="checkbox"/>	ELEC ENG 3104 Electric Drive Systems <input type="checkbox"/>	ELEC ENG 3110 Electric Power Systems <input type="checkbox"/>	ECON 1012 Principles of Economics <input type="checkbox"/>
Internship				
All Engineering students commencing from 2019 are required to complete a minimum of 8 weeks of internship during the course of their studies – see note below elective table.				
Year 4				
S1	ELEC ENG 3101 Control <input type="checkbox"/>	CORPFIN 2501 Financial Institutions Management II <input type="checkbox"/>	ECON 2508 Financial Economics II <input type="checkbox"/>	MATHS 2103 Probability & Statistics <b>OR</b> ECON 2515 Intermediate Applied Econometrics II <input type="checkbox"/>
S2	ELEC ENG 4105 Real-Time and Embedded Systems <input type="checkbox"/>	ELEC ENG 4106 Radio Frequency Systems <input type="checkbox"/>	ENG 3005 Research Method and Project Management <input type="checkbox"/>	CORPFIN 2502 Business Valuation II <input type="checkbox"/>
Year 5				
S1	ENG 4001A Research Project Part A <input type="checkbox"/>	E&E Engineering Elective (see elective table) <input type="checkbox"/>	Level III Finance Elective <input type="checkbox"/>	CORPFIN 3501 Portfolio Theory & Management III <input type="checkbox"/>
S2	ENG 4001B Research Project Part B <input type="checkbox"/>	ELEC ENG 4100 Business Management Systems <input type="checkbox"/>	Level III Finance Elective <input type="checkbox"/>	MATHS 3012 Financial Modelling: Tools & Techniques III <b>OR</b> CORPFIN 3502 Options, Futures & Risk Management III <input type="checkbox"/>

Core Course	Elective (see table)	Double Degree Courses
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<sup>^</sup> Unless exempted, International students are required to take ENG 1011 Introduction to Engineering - EAL in lieu of ENG 1001 Introduction to Engineering.

## Electives Table

CHOOSE FROM THE FOLLOWING ELECTRICAL & ELECTRONIC (E&E) ENGINEERING ELECTIVES					
<b>S1</b>	COMP SCI 2103	Algorithm Design & Data Structures	<b>S2</b>	COMP SCI 2103	Algorithm Design & Data Structures
	COMP SCI 3001	Computer Networks & Applications		COMP SCI 3006	Software Engineering & Project
	ELEC ENG 4058	Power Quality & Condition Monitoring		ELEC ENG 3108	Telecommunications Principles
	ELEC ENG 4063	Communications		ELEC ENG 4061	Image Processing
	<del>ELEC ENG 4069</del>	<del>Radar Principles &amp; Systems (not offered 2021)</del>		ELEC ENG 4067	Antennas and Propagation
	ELEC ENG 4109	Digital Microelectronics		ELEC ENG 4087	Electricity Market and Power System Operations
	<del>ELEC ENG 4112</del>	<del>Signal Processing Applications (not offered 2021)</del>		ELEC ENG 4107	Autonomous Systems
		ELEC ENG 4111	Distributed Generation Technology		
		ELEC ENG 4115	Biomedical Instrumentation		

### NOTES

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**Program Rules:** For academic program rules please refer to the following website: <https://calendar.adelaide.edu.au/faculty/ecms>

### Information and Enrolment Advice:

Ask ECMS

Email: [askecms@adelaide.edu.au](mailto:askecms@adelaide.edu.au)

Website: <https://ecms.adelaide.edu.au/study-with-us/student-support>

Bachelor of Engineering (Honours) (Electrical and Electronic) – Renewable Energy Major  
with Bachelor of Finance

Year 1								
S1	<sup>^</sup> ENG 1001 Introduction to Engineering	<input type="checkbox"/>	ELEC ENG 1100 Analog Electronics	<input type="checkbox"/>	ENG 1002 Programming (Matlab and C)	<input type="checkbox"/>	MATHS 1011 Mathematics IA	<input type="checkbox"/>
S2	PHYSICS 1510 Physics 1E Mechanics & Thermodynamics	<input type="checkbox"/>	ELEC ENG 1102 Digital Electronics	<input type="checkbox"/>	COMP SCI 1102 Object Oriented Programming	<input type="checkbox"/>	MATHS 1012 Mathematics IB	<input type="checkbox"/>
Year 2								
S1	ELEC ENG 2100 Digital Systems	<input type="checkbox"/>	ELEC ENG 2101 Electronic Circuits	<input type="checkbox"/>	MATHS 2106 Differential Equations for Engineers II	<input type="checkbox"/>	ECON 1009 International Financial Institutions & Markets I	<input type="checkbox"/>
S2	ELEC ENG 2103 Design & Innovation	<input type="checkbox"/>	ELEC ENG 2104 Digital Signal Processing	<input type="checkbox"/>	ELEC ENG 2106 Vector Calculus & Electromagnetics	<input type="checkbox"/>	CORPFIN 1002 Business Finance I	<input type="checkbox"/>
Year 3								
S1	ELEC ENG 2102 Electric Energy Conversion	<input type="checkbox"/>	ENG 3004 Systems Engineering and Industry Practice	<input type="checkbox"/>	ELEC ENG 3103 Engineering Electromagnetics	<input type="checkbox"/>	ACCTING 1002 Introductory Accounting	<input type="checkbox"/>
S2	ELEC ENG 3110 Electric Power Systems	<input type="checkbox"/>	ELEC ENG 3104 Electric Drive Systems	<input type="checkbox"/>	MATHS 2107 Statistics & Numerical Methods II	<input type="checkbox"/>	ECON 1012 Principles of Economics	<input type="checkbox"/>
Internship								
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Year 4								
S1	ELEC ENG 3101 Control	<input type="checkbox"/>	CORPFIN 2501 Financial Institutions Management II	<input type="checkbox"/>	ECON 2508 Financial Economics II	<input type="checkbox"/>	MATHS 2103 Probability & Statistics <b>OR</b> ECON 2515 Intermediate Applied Econometrics II	<input type="checkbox"/>
S2	CHEM ENG 4048 Biofuels, Biomass and Wastes	<input type="checkbox"/>	ELEC ENG 4111 Distributed Generation Technologies	<input type="checkbox"/>	ENG 3005 Research Method and Project Management	<input type="checkbox"/>	CORPFIN 2502 Business Valuation II	<input type="checkbox"/>
Year 5								
S1	ENG 4001A Research Project Part A	<input type="checkbox"/>	MECH ENG 4064 Renewable Power Technologies	<input type="checkbox"/>	Level III Finance Elective	<input type="checkbox"/>	CORPFIN 3501 Portfolio Theory & Management III	<input type="checkbox"/>
S2	ENG 4001B Research Project Part B	<input type="checkbox"/>	ELEC ENG 4100 Business Management Systems	<input type="checkbox"/>	Level III Finance Elective	<input type="checkbox"/>	MATHS 3012 Financial Modelling: Tools & Techniques III <b>OR</b> CORPFIN 3502 Options, Futures & Risk Management III	<input type="checkbox"/>

Core Course	Major course	Double Degree Courses
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Bachelor of Engineering (Honours) (Electrical and Electronic) – Smart Technologies Major  
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S2	PHYSICS 1510 Physics 1E Mechanics & Thermodynamics	<input type="checkbox"/>	ELEC ENG 1102 Digital Electronics	<input type="checkbox"/>	COMP SCI 1102 Object Oriented Programming	<input type="checkbox"/>	MATHS 1012 Mathematics IB	<input type="checkbox"/>
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S2	ELEC ENG 2103 Design & Innovation	<input type="checkbox"/>	ELEC ENG 2104 Digital Signal Processing	<input type="checkbox"/>	ELEC ENG 2106 Vector Calculus & Electromagnetics	<input type="checkbox"/>	CORPFIN 1002 Business Finance I	<input type="checkbox"/>
Year 3								
S1	ELEC ENG 2102 Electric Energy Conversion	<input type="checkbox"/>	ENG 3004 Systems Engineering and Industry Practice	<input type="checkbox"/>	ELEC ENG 3103 Engineering Electromagnetics	<input type="checkbox"/>	ACCTING 1002 Introductory Accounting	<input type="checkbox"/>
S2	COMP SCI 2103 Algorithm Design & Data Structures	<input type="checkbox"/>	MECH ENG 3032 Micro-Controller Programming	<input type="checkbox"/>	MATHS 2107 Statistics & Numerical Methods II	<input type="checkbox"/>	ECON 1012 Principles of Economics	<input type="checkbox"/>
Internship								
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S1	ELEC ENG 3101 Control	<input type="checkbox"/>	CORPFIN 2501 Financial Institutions Management II	<input type="checkbox"/>	ECON 2508 Financial Economics II	<input type="checkbox"/>	MATHS 2103 Probability & Statistics <b>OR</b> ECON 2515 Intermediate Applied Econometrics II	<input type="checkbox"/>
S2	COMP SCI 4092 Mobile and Wireless Systems	<input type="checkbox"/>	ELEC ENG 4107 Autonomous Systems	<input type="checkbox"/>	ENG 3005 Research Method and Project Management	<input type="checkbox"/>	CORPFIN 2502 Business Valuation II	<input type="checkbox"/>
Year 5								
S1	ENG 4001A Research Project Part A	<input type="checkbox"/>	COMP SCI 3001 Computer Networks & Applications	<input type="checkbox"/>	Level III Finance Elective	<input type="checkbox"/>	CORPFIN 3501 Portfolio Theory & Management III	<input type="checkbox"/>
S2	ENG 4001B Research Project Part B	<input type="checkbox"/>	ELEC ENG 4100 Business Management Systems	<input type="checkbox"/>	Level III Finance Elective	<input type="checkbox"/>	MATHS 3012 Financial Modelling: Tools & Techniques III <b>OR</b> CORPFIN 3502 Options, Futures & Risk Management III	<input type="checkbox"/>

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