THE UNIVERSITY of ADELAIDE

2022 Study Plan
Bachelor of Engineering (Honours) (Electrical and Electronic) with Bachelor of Finance and Banking — Semester 2 Start

THE UNIVERSITY of ADELAIDE

2022 Study Plan
Bachelor of Engineering (Honours) (Electrical and Electronic) with Bachelor of Finance and Banking — Semester 2 Start

No Major

Year 1				
S1				
S2	MATHS 1011 Mathematics IA ☐	PHYSICS 1510 Physics 1E: Mechanics & Thermodynamics ☐	ELEC ENG 1102 Digital Electronics ☐	ENG 1002 Programming (Matlab and C) ☐
Year 2				
S1	MATHS 1012 Mathematics IB ☐	COMP SCI 1102 Object Oriented Programming ☐	^ENG 1001 Introduction to Engineering ☐	ELEC ENG 1100 Analog Electronics ☐
S2	MATHS 2107 Statistics & Numerical Methods II ☐	ELEC ENG 2103 Design & Innovation ☐	ELEC ENG 2104 Digital Signal Processing ☐	CORPFIN 1002 Business Finance I ☐
Year 3				
S1	MATHS 2106 Differential Equations for Engineers II ☐	ELEC ENG 2101 Electronic Circuits ☐	ELEC ENG 2100 Digital Systems ☐	ECON 1009 International Financial Institutions & Markets I ☐
S2	ELEC ENG 2106 Vector Calculus & Electromagnetics ☐	ELEC ENG 3104 Electric Drive Systems ☐	ELEC ENG 3110 Electric Power Systems ☐	ECON 1012 Principles of Economics ☐
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 ☐	ELEC ENG 3103 Engineering Electromagnetics ☐	ELEC ENG 2102 Electric Energy Conversion ☐	ACCTING 1002 Introductory Accounting ☐
S2	ENG 3004 Systems Engineering & Industry Practice ☐	ELEC ENG 4105 Real-Time and Embedded Systems ☐	ELEC ENG 4106 Radio Frequency Systems ☐	CORPFIN 2502 Business Valuation ☐
Year 5				
S1	ENG 3005 Research Method & Project Management ☐	E&E Engineering Elective (see elective table) ☐	CORPFIN 2504 Options, Futures & Risk Management ☐	ECON 2508 Financial Economics II ☐
S2	ENG 4001A Research Project Part A ☐	ELEC ENG 4100 Business Management Systems ☐	CORPFIN 2501 Financial Institutions Management ☐	MATHS 3012 Financial Modelling: Tools & Techniques III ☐
Year 6				
S1	ENG 4001B Research Project Part B ☐	CORPFIN 3501 Portfolio Theory & Management ☐	ECON 3511 Money, Banking & Financial Markets III ☐	Level III Finance and Banking Elective ☐

Core Course	Elective (see table)	Double Degree Courses

^ Unless exempted, International students are required to take ENG 1011 Introduction to Engineering - EAL in lieu of ENG 1001 Introduction to Engineering.

THE UNIVERSITY of ADELAIDE

2022 Study Plan
Bachelor of Engineering (Honours) (Electrical and Electronic) with Bachelor of Finance and Banking — Semester 2 Start

Electives Table

CHOOSE FROM THE FOLLOWING ELECTRICAL & ELECTRONIC (E&E) ENGINEERING ELECTIVES					
S1	COMP SCI 2103	Algorithm Design & Data Structures	**S2**	COMP SCI 2103	Algorithm Design & Data Structures
	COMP SCI 3001	Computer Networks & Applications		COMP SCI 3006	Software Engineering & Project
	ELEC ENG 3088	Computer Architecture		ELEC ENG 3108	Telecommunications Principles
	ELEC ENG 4058	Power Quality & Condition Monitoring		ELEC ENG 3113	Principles of Medical Imaging
	ELEC ENG 4063	Communications		ELEC ENG 4061	Image Processing
	ELEC ENG 4069	Radar Principles & Systems		ELEC ENG 4067	Antennas & Propagation
	ELEC ENG 4109	Digital Microelectronics		ELEC ENG 4087	Electricity Market and Power System Operations
	ELEC ENG 4112	Signal Processing Applications		ELEC ENG 4107	Autonomous Systems
				ELEC ENG 4111	Distributed Generation Technologies
				ELEC ENG 4115	Biomedical Instrumentation
CHOOSE FROM THE FOLLOWING FINANCE & BANKING ELECTIVES					
S1	ECON 3506	International Trade III	**S2**	ECON 3510	International Finance III
	CORPFIN 3507	Topics in Corporate Finance		CORPFIN 3505	Corporate Regulations & Ethics in Finance
				CORPFIN 3506	Takeovers, Corporate Restructuring & Governance

NOTES

Internships: All Engineering students commencing from 2019 are required to complete a minimum of 8 weeks of internship during the course of their studies. Internships are self-sourced and further information can be found on the Engineering Internships web page: https://ecms.adelaide.edu.au/study-with-us/student-support/internships/engineering.

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

THE UNIVERSITY of ADELAIDE

2022 Study Plan
Bachelor of Engineering (Honours) (Electrical and Electronic) with Bachelor of Finance and Banking — Semester 2 Start

Renewable Energy Major

Year 1				
S1				
S2	MATHS 1011 Mathematics IA ☐	PHYSICS 1510 Physics 1E: Mechanics & Thermodynamics ☐	ELEC ENG 1102 Digital Electronics ☐	ENG 1002 Programming (Matlab and C) ☐
Year 2				
S1	MATHS 1012 Mathematics IB ☐	COMP SCI 1102 Object Oriented Programming ☐	^ENG 1001 Introduction to Engineering ☐	ELEC ENG 1100 Analog Electronics ☐
S2	MATHS 2107 Statistics & Numerical Methods II ☐	ELEC ENG 2103 Design & Innovation ☐	ELEC ENG 2104 Digital Signal Processing ☐	CORPFIN 1002 Business Finance I ☐
Year 3				
S1	MATHS 2106 Differential Equations for Engineers II ☐	ELEC ENG 2101 Electronic Circuits ☐	ELEC ENG 2100 Digital Systems ☐	ECON 1009 International Financial Institutions & Markets I ☐
S2	ELEC ENG 2106 Vector Calculus & Electromagnetics ☐	ELEC ENG 3104 Electric Drive Systems ☐	ELEC ENG 3110 Electric Power Systems ☐	ECON 1012 Principles of Economics ☐
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 ☐	ELEC ENG 3103 Engineering Electromagnetics ☐	ELEC ENG 2102 Electric Energy Conversion ☐	ACCTING 1002 Introductory Accounting ☐
S2	ENG 3004 Systems Engineering & Industry Practice ☐	CHEM ENG 4048 Biofuels, Biomass and Wastes ☐	ELEC ENG 4111 Distributed Generation Technologies ☐	CORPFIN 2502 Business Valuation ☐
Year 5				
S1	ENG 3005 Research Method & Project Management ☐	MECH ENG 4064 Renewable Power Technologies ☐	CORPFIN 2504 Options, Futures & Risk Management ☐	ECON 2508 Financial Economics II ☐
S2	ENG 4001A Research Project Part A ☐	ELEC ENG 4100 Business Management Systems ☐	CORPFIN 2501 Financial Institutions Management ☐	MATHS 3012 Financial Modelling: Tools & Techniques III ☐
Year 6				
S1	ENG 4001B Research Project Part B ☐	CORPFIN 3501 Portfolio Theory & Management ☐	ECON 3511 Money, Banking & Financial Markets III ☐	Level III Finance and Banking Elective ☐

Core Course	Major course	Double Degree Courses

^ Unless exempted, International students are required to take ENG 1011 Introduction to Engineering - EAL in lieu of ENG 1001 Introduction to Engineering.

NOTES

Internships: All Engineering students commencing from 2019 are required to complete a minimum of 8 weeks of internship during the course of their studies. Internships are self-sourced and further information can be found on the Engineering Internships web page: https://ecms.adelaide.edu.au/study-with-us/student-support/internships/engineering.

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

THE UNIVERSITY of ADELAIDE

2022 Study Plan
Bachelor of Engineering (Honours) (Electrical and Electronic) with Bachelor of Finance and Banking — Semester 2 Start

Smart Technologies Major

Year 1				
S1				
S2	MATHS 1011 Mathematics IA ☐	PHYSICS 1510 Physics 1E: Mechanics & Thermodynamics ☐	ELEC ENG 1102 Digital Electronics ☐	ENG 1002 Programming (Matlab and C) ☐
Year 2				
S1	MATHS 1012 Mathematics IB ☐	COMP SCI 1102 Object Oriented Programming ☐	^ENG 1001 Introduction to Engineering ☐	ELEC ENG 1100 Analog Electronics ☐
S2	MATHS 2107 Statistics & Numerical Methods II ☐	ELEC ENG 2103 Design & Innovation ☐	ELEC ENG 2104 Digital Signal Processing ☐	CORPFIN 1002 Business Finance I ☐
Year 3				
S1	MATHS 2106 Differential Equations for Engineers II ☐	ELEC ENG 2101 Electronic Circuits ☐	ELEC ENG 2100 Digital Systems ☐	ECON 1009 International Financial Institutions & Markets I ☐
S2	ELEC ENG 2106 Vector Calculus & Electromagnetics ☐	COMP SCI 2103 Algorithm Design & Data Structures ☐	MECH ENG 3032 Micro-Controller Programming ☐	ECON 1012 Principles of Economics ☐
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 ☐	ELEC ENG 3103 Engineering Electromagnetics ☐	ELEC ENG 2102 Electric Energy Conversion ☐	ACCTING 1002 Introductory Accounting ☐
S2	ENG 3004 Systems Engineering & Industry Practice ☐	ELEC ENG 3108 Telecommunications Principles ☐	ELEC ENG 4107 Autonomous Systems ☐	CORPFIN 2502 Business Valuation ☐
Year 5				
S1	ENG 3005 Research Method & Project Management ☐	COMP SCI 3001 Computer Networks & Applications ☐	CORPFIN 2504 Options, Futures & Risk Management ☐	ECON 2508 Financial Economics II ☐
S2	ENG 4001A Research Project Part A ☐	ELEC ENG 4100 Business Management Systems ☐	CORPFIN 2501 Financial Institutions Management ☐	MATHS 3012 Financial Modelling: Tools & Techniques III ☐
Year 6				
S1	ENG 4001B Research Project Part B ☐	CORPFIN 3501 Portfolio Theory & Management ☐	ECON 3511 Money, Banking & Financial Markets III ☐	Level III Finance and Banking Elective ☐

Core Course	Major course	Double Degree Courses

^ Unless exempted, International students are required to take ENG 1011 Introduction to Engineering - EAL in lieu of ENG 1001 Introduction to Engineering.

NOTES

Internships: All Engineering students commencing from 2019 are required to complete a minimum of 8 weeks of internship during the course of their studies. Internships are self-sourced and further information can be found on the Engineering Internships web page: https://ecms.adelaide.edu.au/study-with-us/student-support/internships/engineering.

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