FACULTY OF ENGINEERING, COMPUTER AND MATHEMATICAL SCIENCES

2018 STUDY PLAN

This study plan should be used to guide enrolment for the current academic year. Some students may need to modify their enrolment based on previous study (e.g. students granted advanced standing/credit, students repeating previously failed courses).

BACHELOR OF ENGINEERING (HONOURS) (ELECTRICAL AND ELECTRONIC) with Bachelor of Finance

YEAR 1	S1	COMP SCI 1201 Introduction to Programming for Engineers (3 units) ☐	ELEC ENG 1100 Analog Electronics (3 units) ☐	MATHS 1011 Mathematics 1A (3 units)# ☐	ECON 1012 Principles of Economics I (3 units) ☐
	S2	COMP SCI 1102 Object Oriented Programming (3 units) ☐	ELEC ENG 1102 Digital Electronics (3 units) ☐	MATHS 1012 Mathematics 1B (3 units) ☐	PHYSICS 1510 Physics 1E: Mechanics and Thermodynamics (3 units) ☐
YEAR 2	S1	ELEC ENG 2100 Digital Systems (3 units) ☐	ELEC ENG 2101 Electronic Circuits(3 units) ☐	MATHS 2201 Engineering Maths IIA (3 units) ☐	ECON 1009 International Financial Institutions & Markets I (3 units) ☐
	S2	ELEC ENG 2103 Design & Innovation (3 units) ☐	ELEC ENG 2104 Digital Signal Processing (3 units) ☐	MATHS 2202 Engineering Maths IIB (3 units) ☐	CORPFIN 1002 Business Finance I (3 units) ☐

#Students who have not passed SACE Stage 2 Specialist Maths are required to enrol in MATHS 1013 Mathematics IM as a prerequisite to enrolling in MATHS 1011 Mathematics IA. The satisfactory completion of MATHS 1013 Mathematics IM is in addition to the normal requirements of this program. Students may manage their enrolment by enrolling in MATHS 1013

Mathematics IM in semester I, followed by MATHS 1011 Mathematics IA in semester 2, and MATHS 1012 Mathematics IB in summer school.
Note the first two years of the Bachelor of Engineering (Honours) (Electrical and Electronic) with Bachelor of Finance degree are common regardless of the major students will choose to follow from year 3. Students may either continue with the standard degree, or choose one of the 5 available majors. Year 3, 4 and 5 study plans for each major are below.

FACULTY OF ENGINEERING, COMPUTER AND MATHEMATICAL SCIENCES

2018 STUDY PLAN

THE UNIVERSITY of ADELAIDE

BACHELOR OF ENGINEERING (HONOURS) (ELECTRICAL AND ELECTRONIC) with Bachelor of Finance - Standard

YEAR 3	S1	ELEC ENG 2102 Electric Energy Conversion (3 units) ☐	ELEC ENG 3101 Control (3 units) ☐	ELEC ENG 3103 Electromagnetics (3 units) ☐	ACCTING 1002 Introductory Accounting (3 units) ☐
	S2	ELEC ENG 3104 Electric Drive Systems (3 units) ☐	ELEC ENG 3105 Real Time & Embedded Systems (3 units) ☐	ELEC ENG 3106 Radio Frequency Systems(3 units) ☐	ECON 2504 Intermediate Econometrics II (3 units)** ☐
YEAR 4	S1	ELEC ENG 3100 Systems Engineering (3 units) ☐	Electrical & Electronic Major Elective (3 units) ☐	ECON 2508 Financial Economics II (3 units) ☐	CORPFIN 2502 Business Valuation II (3 units) ☐
	S2	ELEC ENG 3102 Project Management (3 units) ☐	Electrical & Electronic Major Elective (3 units) ☐	MATHS 3012 Financial Modelling: Tools & Techniques III or CORPFIN 3502 Options, Futures & Risk Management III (3 units)** ☐	CORPFIN 2501 Financial Institutions Management II (3 units) ☐
YEAR 5	S1	ELEC ENG 4101A Electrical & Electronic Research Project Part 1 (6 units) **NOT OFFERED 2018** ☐		Level III Finance Course (3 units) ☐	CORPFIN 3501 Portfolio Theory & Management III (3 units) ☐
	S2	ELEC ENG 4100 Business Management Systems (3 units) **NOT OFFERED 2018** ☐	ELEC ENG 4101B Electrical and Electronic Research Project Part 2 (3 units) **NOT OFFERED 2018** ☐	ELEC ENG 3110 Electric Power Systems (3 units) ☐	Level III Finance Course (3 units) ☐

** This course can also be taken in lieu of a Level III Finance elective.

Note: Students may choose Finance electives according to the rules for the Bachelor of Finance.

CHOOSE FROM THE FOLLOWING ELECTRICAL & ELECTRONIC ELECTIVES				
SEMESTER 1	COMP SCI 2103 Algorithm Design & Data Structures for Engineers (3 units) ☐	COMP SCI 3001 Computer Networks & Applications (3 units) ☐	ELEC ENG 3109 Digital Microelectronics (3 units) ☐	ELEC ENG 4058 Power Quality & Condition Monitoring (3 units) ☐
SEMESTER 2	COMP SCI 2103 Algorithm Design & Data Structures for Engineers (3 units) ☐	ELEC ENG 4069 Radar Principles & Systems (3 units) ☐	COMP SCI 3006 Software Engineering & Project (3 units) ☐	ELEC ENG 3111 Distributed Generation Technology (3 units) ☐
	ELEC ENG 4067 Antennas and Propagation (3 units) ☐	ELEC ENG 4115 Biomedical Intrumentation (3 units) ☐	ELEC ENG 4061 Image Processing (3 units) ☐	☐

FACULTY OF ENGINEERING, COMPUTER AND MATHEMATICAL SCIENCES

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BACHELOR OF ENGINEERING (HONOURS) (ELECTRICAL AND ELECTRONIC) / Bachelor of Finance – Semester 2 Start

YEAR 1	S 2	COMP SCI 1201 Introduction to Programming for Engineers (3 units) ☐	ELEC ENG 1102 Digital Electronics (3 units) ☐	MATHS 1011 Mathematics 1A (3 units)# ☐	PHYSICS 1510 Physics 1E: Mechanics and Thermodynamics (3 units) ☐
YEAR 2	S 1	COMP SCI 1102 Object Oriented Programming (3 units) ☐	ELEC ENG 1100 Analog Electronics (3 units) ☐	MATHS 1012 Mathematics 1B (3 units) ☐	ECON 1012 Principles of Economics I (3 units) ☐
	S 2	ELEC ENG 2103 Design & Innovation (3 units) ☐	ELEC ENG 2104 Digital Signal Processing (3 units) ☐	MATHS 2202 Engineering Maths IIB (3 units) ☐	CORPFIN 1002 Business Finance I (3 units) ☐
YEAR 3	S 1	ELEC ENG 2100 Digital Systems (3 units) ☐	ELEC ENG 2101 Electronic Circuits(3 units) ☐	MATHS 2201 Engineering Maths IIA (3 units) ☐	ECON 1009 International Financial Institutions & Markets I (3 units) ☐

#Students who have not passed SACE Stage 2 Specialist Maths are required to enrol in MATHS 1013 Mathematics IM as a prerequisite to enrolling in MATHS 1011 Mathematics IA. The satisfactory completion of MATHS 1013 Mathematics IM is in addition to the normal requirements of this program. Students may manage their enrolment by enrolling in MATHS 1013 Mathematics IM in semester I, followed by MATHS 1011 Mathematics IA in semester 2, and MATHS 1012 Mathematics IB in summer school.

Note the first four semesters of the Bachelor of Engineering (Honours) (Electrical and Electronic) with Bachelor of Finance degree are common regardless of the major students will choose to follow from year 3. Students may either continue with the standard degree, or choose one of the 5 available majors. Year 3, 4, 5 and 6 study plans for each major are below.

FACULTY OF ENGINEERING, COMPUTER AND MATHEMATICAL SCIENCES

2018 STUDY PLAN

THE UNIVERSITY of ADELAIDE

BACHELOR OF ENGINEERING (HONOURS) (ELECTRICAL AND ELECTRONIC) – Standard Program / Bachelor of Finance – Semester 2 Start

YEAR 3	S 2	ELEC ENG 3102 Project Management (3 units) ☐	ACCTING 1002 Introductory Accounting I (3 units) ☐	MATHS 3012 Financial Modelling: Tools & Techniques III or CORPFIN 3502 Options, Futures & Risk Management III (3 units)** ☐	CORPFIN 2501 Financial Institutions Management II (3 units) ☐
YEAR 4	S 1	ELEC ENG 2102 Electric Energy Conversion (3 units)	ELEC ENG 3101 Control (3 units)	ELEC ENG 3103 Electromagnetics (3 units)	ECON 2508 Financial Economics II (3 units)
	S 2	ELEC ENG 3104 Electric Drive Systems (3 units)	ELEC ENG 3105 Real Time & Embedded Systems (3 units)	ELEC ENG 3106 Radio Frequency Systems (3 units)	ECON 2504 Intermediate Econometrics II (3 units)**
YEAR 5	S 1	ELEC ENG 3100 Systems Engineering (3 units) ☐	Electrical & Electronic Major Elective (3 units) ☐	Electrical & Electronic Major Elective (3 units) ☐	CORPFIN 2502 Business Valuation II (3 units) ☐
	S 2	ELEC ENG 4101A Electrical & Electronic Research Project Part 1 (6 units) **NOT OFFERED 2018** ☐		ELEC ENG 4100 Business Management Systems (3 units) **NOT OFFERED 2018** ☐	ELEC ENG 3110 Electric Power Systems (3 units) ☐
YEAR 6	S 1	ELEC ENG 4101B Electrical and Electronic Research Project Part 2 (3 units) **NOT OFFERED 2018** ☐	CORPFIN 3501 Portfolio Theory & Management III (3 units) ☐	Level III Finance Course (3 units) ☐	Level III Finance Course (3 units) ☐

** This course can also be taken in lieu of a Level III Finance elective.
Students may choose Finance electives according to the rules for the Bachelor of Finance.

CHOOSE FROM THE FOLLOWING ELECTRICAL & ELECTRONIC ELECTIVES				
SEMESTER 1	COMP SCI 2103 Algorithm Design & Data Structures for Engineers (3 units) ☐	COMP SCI 3001 Computer Networks & Applications (3 units) ☐	ELEC ENG 3109 Digital Microelectronics (3 units) ☐	ELEC ENG 4058 Power Quality & Condition Monitoring (3 units) ☐
SEMESTER 2	COMP SCI 2103 Algorithm Design & Data Structures for Engineers (3 units) ☐	☐	COMP SCI 3006 Software Engineering & Project (3 units) ☐	ELEC ENG 3111 Distributed Generation Technology (3 units) ☐
	ELEC ENG 4067 Antennas and Propagation (3 units) ☐	ELEC ENG 4115 Biomedical Instrumentation (3 units) ☐	ELEC ENG 4061 Image Processing (3 units) ☐	ELEC ENG 4069 Radar Principles & Systems (3 units) ☐