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mart Technologies Major	16
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No Major

			Yea	r 1			
S 1	^ENG 1001 Introduction to Engineering		ELEC ENG 1100 Analog Electronics	ENG 1002 Programming (Matlab and C)		MATHS 1011 Mathematics IA	
S 2	PHYSICS 1510 Physics 1E: Mechanics & Thermodynamics		ELEC ENG 1102 Digital Electronics	COMP SCI 1102 Object Oriented Programming		MATHS 1012 Mathematics IB	
			Yea	r 2			
S 1	MATHS 2106 Differential Equations for Engineers II		ELEC ENG 2100 Digital Systems	ELEC ENG 2101 Electronic Circuits		ELEC ENG 2102 Electric Energy Conversion	
S 2	MATHS 2107 Statistics & Numerical Methods II		ELEC ENG 2103 Design & Innovation	ELEC ENG 2104 Digital Signal Processing		ELEC ENG 2106 Vector Calculus & Electromagnetics	
			Yea	r 3			
S 1	ENG 3005 Research Method & Project Management		ELEC ENG 3101 Control	ELEC ENG 3103 Engineering Electromagnetics		ENG 3004 Systems Engineering & Industry Practice	
S 2	ELEC ENG 3104 Electric Drive Systems		ELEC ENG 3110 Electric Power Systems	ELEC ENG 4105 Real-Time & Embedded Systems		ELEC ENG 4106 Radio Frequency Systems	
			Intern	ship			
	All Engineering students commencing	from	2019 are required to complete a minimum of	8 weeks of <u>internship</u> during the course of the	eir st	udies – see note below elective table.	
			Yea	r 4			
S 1	ENG 4001A Research Project Part A		E&E Engineering Elective (see elective table)	E&E Engineering Elective (see elective table)		E&E Engineering Elective (see elective table)	
S 2	ENG 4001B Research Project Part B		ELEC ENG 4100 Business Management Systems	E&E Engineering Elective (see elective table)		E&E Engineering Elective (see elective table)	

Core Course Elective (see table)



Electives Table

	CHOOSE FROM THE FOLLOWING ELECTRICAL & ELECTRONIC (E&E) ENGINEERING ELECTIVES									
	COMP SCI 2103	Algorithm Design & Data Structures		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	Communications		ELEC ENG 3113	Principles of Medical Imaging					
S1	ELEC ENG 4063			ELEC ENG 4061	Image Processing					
51	ELEC ENG 4069	Radar Principles & Systems	S2	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					

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.

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Communication Systems Major

Year 1										
AENG 1001 Introduction to Engineering	ELEC ENG 1100 Analog Electronics		ENG 1002 Programming (Matlab and C)		MATHS 1011 Mathematics IA					
PHYSICS 1510 Physics 1E: Mechanics & [Thermodynamics	ELEC ENG 1102 Digital Electronics		COMP SCI 1102 Object Oriented Programming		MATHS 1012 Mathematics IB					
		Year	2							
MATHS 2106 Differential Equations for Engineers II	ELEC ENG 2100 Digital Systems		ELEC ENG 2101 Electronic Circuits		ELEC ENG 2102 Electric Energy Conversion					
MATHS 2107 Statistics & Numerical Methods II	ELEC ENG 2103 Design & Innovation		ELEC ENG 2104 Digital Signal Processing		ELEC ENG 2106 Vector Calculus & Electromagnetics					
Year 3										
ELEC ENG 4063 Communications	ELEC ENG 3101 Control		ELEC ENG 3103 Engineering Electromagnetics		ENG 3004 Systems Engineering & Industry Practice					
COMP SCI 2103 Algorithm Design & Data Structures	ELEC ENG 3108 Telecommunications Principles		ELEC ENG 4106 Radio Frequency Systems		ENG 3005 Research Method & Project Management					
		Interns	hip							
All Engineering students commencing fro	m 2019 are required to complete a minir	num of 8	weeks of internship during the course	e of their st	udies – see note below elective table.					
		Year	4							
ENG 4001A Research Project Part A	COMP SCI 3001 Computer Networks & Applications		E&E Engineering Elective (see elective table)		E&E Engineering Elective (see elective table)					
ENG 4001B Research Project Part B	ELEC ENG 4054 Telecommunication Systems		ELEC ENG 4100 Business Management Systems		E&E Engineering Elective (see elective table)					
	Introduction to Engineering Image: Composition of Engineering PHYSICS 1510 Physics 1E: Mechanics & Image: Composition of Engineers II MATHS 2106 Image: Composition of Engineers II MATHS 2107 Statistics & Numerical Methods II Statistics & Numerical Methods II Image: Composition of Engineers II COMP SCI 2103 Algorithm Design & Data Structures All Engineering students commencing from Engineers II Image: Composition of Engineers II ENG 4001A Research Project Part A Image: Composition of Engineers II	Introduction to Engineering Analog Electronics PHYSICS 1510 ELEC ENG 1102 Physics 1E: Mechanics & Digital Electronics Thermodynamics ELEC ENG 2100 Differential Equations for Engineers II Digital Systems MATHS 2107 ELEC ENG 2103 Statistics & Numerical Methods II Design & Innovation ELEC ENG 4063 ELEC ENG 3101 Communications ELEC ENG 3108 Algorithm Design & Data Structures ELEC ENG 3108 All Engineering students commencing from 2019 are required to complete a minim ENG 4001A COMP SCI 3001 Research Project Part A COMP SCI 3001 ENG 4001B ELEC ENG 4054	^EENG 1001 ELEC ENG 1100 Introduction to Engineering Analog Electronics PHYSICS 1510 Digital Electronics Physics 1E: Mechanics & Digital Electronics Thermodynamics ELEC ENG 1102 WATHS 2106 Digital Electronics Differential Equations for Engineers II Digital Systems MATHS 2107 ELEC ENG 2103 Statistics & Numerical Methods II Design & Innovation ELEC ENG 4063 ELEC ENG 3101 Communications ELEC ENG 3108 COMP SCI 2103 ELEC ENG 3108 Algorithm Design & Data Structures ELEC ENG 3108 Telecommunications Principles Interner All Engineering students commencing from 2019 are required to complete a minimum of & ENG 4001A COMP SCI 3001 Research Project Part A COMP SCI 3001 ENG 4001B ELEC ENG 4054	AENG 1001 ELEC ENG 1100 FNG 1002 Introduction to Engineering Analog Electronics Programming (Matlab and C) PHYSICS 1510 Digital Electronics COMP SCI 1102 Physics 1E: Mechanics & Digital Electronics COMP SCI 1102 Digital Electronics Digital Electronics Digital Systems MATHS 2106 ELEC ENG 2100 ELEC ENG 2101 Differential Equations for Engineers II Digital Systems ELEC ENG 2104 MATHS 2107 ELEC ENG 2103 ELEC ENG 2104 Statistics & Numerical Methods II Design & Innovation ELEC ENG 3103 Communications ELEC ENG 3101 ELEC ENG 3103 ELEC ENG 4063 Communications ELEC ENG 3108 ELEC ENG 4106 Radio Frequency Systems Algorithm Design & Data Structures ELEC ENG 3108 ELEC ENG 4106 Algorithm Design students commencing from 2019 are required to complete a minimum of 8 weeks of internship during the course Year 4 ENG 4001A COMP SCI 3001 E&E Engineering Elective E&E Engineering Elective Research Project Part A COMP SCI 3001 E&E Engineering Elective E&E Engineering Elective ENG 40018 ELEC ENG 4054	AENG 1001 ELEC ENG 1100 Programming (Matlab and C) PHYSICS 1510 ELEC ENG 1102 Object Oriented Programming Physics 1E: Mechanics & Digital Electronics COMP SCI 1102 Object Oriented Programming ELEC ENG 1102 Object Oriented Programming MATHS 2106 ELEC ENG 2100 ELEC ENG 2101 Differential Equations for Engineers II ELEC ENG 2103 ELEC ENG 2104 MATHS 2107 ELEC ENG 2103 ELEC ENG 2104 Statistics & Numerical Methods II Design & Innovation Digital Signal Processing ELEC ENG 4063 ELEC ENG 3108 ELEC ENG 3103 Communications ELEC ENG 3108 ELEC ENG 4106 Algorithm Design & Data Structures ELEC ENG 3108 ELEC ENG 4106 Algorithm Design students commencing from 2019 are required to complete a minimum of 8 weeks of internship during the course of their st FNG 4001A COMP SCI 3001 E&E Engineering Elective Research Project Part A COMP SCI 3001 E&E Engineering Elective ENG 4001A ELEC ENG 4054 ELEC ENG 4100	AENG 1001 Introduction to Engineering ELEC ENG 1100 MATHS 1011 Maths 1011 PHYSICS 1510 ELEC ENG 1102 Object Oriented Programming (Matlab and C) MATHS 1012 Physics 1E: Mechanics & Digital Electronics OOMP SCI 1102 MATHS 1012 Physics 1E: Mechanics & Digital Electronics COMP SCI 1102 MATHS 1012 Physics 1E: Mechanics & Digital Electronics COMP SCI 1002 Mathematics IB MATHS 2106 ELEC ENG 2100 ELEC ENG 2102 Electronic Circuits ELEC ENG 2102 Differential Equations for Engineers II ELEC ENG 2103 ELEC ENG 2104 ELEC ENG 2106 Vector Calculus & Electromagnetics MATHS 2107 ELEC ENG 3101 ELEC ENG 3101 ELEC ENG 3101 ELEC ENG 3103 ELEC ENG 3004 Communications Control Control Elec ENG 4106 ENG 3004 ENG 3004 Algorithm Design & Data Structures ELEC ENG 3108 ELEC ENG 4106 ENG 3005 ENG 3005 Algorithm Design & Data Structures ELEC ENG 3001 ELEC ENG 4106 ENG 3005 ENG 3005 Algorithm Design & Data Structures ELEC ENG 3108 ELEC ENG 4106 ENG 3005 ENG 3005				

Core Course Major Course Elective (see table)



Electives Table

	CHOOSE FROM THE FOLLOWING ELECTRICAL & ELECTRONIC (E&E) ENGINEERING ELECTIVES									
	COMP SCI 3007	Artificial Intelligence		ELEC ENG 4061	Image Processing					
	ELEC ENG 3088	Computer Architecture		ELEC ENG 4067	Antennas & Propagation					
S1	ELEC ENG 4069	1 ,		ELEC ENG 4105	Real-Time & Embedded Systems					
	ELEC ENG 4109									
	ELEC ENG 4112	Signal Processing Applications								

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.

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Computer Engineering Major

	Year 1										
S 1	▲ENG 1001 Introduction to Engineering	ELEC ENG 1100 Analog Electronics		ENG 1002 Programming (Matlab and C)		MATHS 1011 Mathematics IA					
S 2	PHYSICS 1510 Physics 1E: Mechanics &	ELEC ENG 1102 Digital Electronics		COMP SCI 1102 Object Oriented Programming		MATHS 1012 Mathematics IB					
			Year	2							
S 1	MATHS 2106 Differential Equations for Engineers II	ELEC ENG 2100 Digital Systems		ELEC ENG 2101 Electronic Circuits		ELEC ENG 2102 Electric Energy Conversion					
S 2	MATHS 2107 Statistics & Numerical Methods II	ELEC ENG 2103 Design & Innovation		ELEC ENG 2104 Digital Signal Processing		ELEC ENG 2106 Vector Calculus & Electromagnetics					
			Year	3							
S 1	COMP SCI 2103 Algorithm Design & Data Structures	ELEC ENG 4109 Digital Microelectronics		ELEC ENG 3103 Engineering Electromagnetics		ELEC ENG 3101 Control					
S 2	COMP SCI 3004 Operating Systems	ELEC ENG 4105 Real-Time & Embedded Systems		ENG 3004 Systems Engineering & Industry Practice		ENG 3005 Research Method & Project Management					
		I	ntern	ship	-		-				
	All Engineering students commencing fro	m 2019 are required to complete a minimu	m of 8	3 weeks of <u>internship</u> during the course of th	neir st	udies – see note below elective table.					
			Year	4							
S 1	ENG 4001A Research Project Part A	COMP SCI 3001 Computer Networks & Applications		ELEC ENG 3088 Computer Architecture		E&E Engineering Elective (see elective table)					
S 2	ENG 4001B Research Project Part B	ELEC ENG 4100 Business Management Systems		E&E Engineering Elective (see elective table)		E&E Engineering Elective (see elective table)					

Core Course Major Course Elective (see table)



Electives Table

	CHOOSE FROM THE FOLLOWING ELECTRICAL & ELECTRONIC (E&E) ENGINEERING ELECTIVES									
	COMP SCI 3007	Artificial Intelligence		COMP SCI 3006	Software Engineering & Project					
	COMP SCI 3308	Cybersecurity Fundamentals	S2	COMP SCI 3307	Secure Programming					
C1	ELEC ENG 4112	Signal Processing Applications		ELEC ENG 3104	Electric Drive Systems					
51				ELEC ENG 3108	Telecommunications Principles					
				ELEC ENG 4061	Image Processing					
				ELEC ENG 4106	Radio Frequency Systems					

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.

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Cybersecurity Major

	Year 1										
S 1	^ENG 1001 Introduction to Engineering		ELEC ENG 1100 Analog Electronics		ENG 1002 Programming (Matlab and C)		MATHS 1011 Mathematics IA				
S 2	PHYSICS 1510 Physics 1E: Mechanics & Thermodynamics		ELEC ENG 1102 Digital Electronics		COMP SCI 1102 Object Oriented Programming		MATHS 1012 Mathematics IB				
				Year	2						
S 1	MATHS 2106 Differential Equations for Engineers II		ELEC ENG 2100 Digital Systems		ELEC ENG 2101 Electronic Circuits		ELEC ENG 2102 Electric Energy Conversion				
S 2	MATHS 2107 Statistics & Numerical Methods II		ELEC ENG 2103 Design & Innovation		ELEC ENG 2104 Digital Signal Processing		ELEC ENG 2106 Vector Calculus & Electromagnetics				
	Year 3										
S 1	COMP SCI 2103 Algorithm Design & Data Structures		ELEC ENG 3101 Control		ELEC ENG 3103 Engineering Electromagnetics		ENG 3004 Systems Engineering & Industry Practice				
S 2	COMP SCI 2000 Computer Systems		COMP SCI 2201 Algorithm & Data Structure Analysis		COMP SCI 3004 Operating Systems		ENG 3005 Research Method & Project Management				
			In	nterns	ship						
	All Engineering students commencing	from	2019 are required to complete a minimum	n of 8	8 weeks of internship during the course of the	eir st	udies – see note below elective table.				
				Year	4						
S 1	ENG 4001A Research Project Part A		COMP SCI 3308 Cybersecurity Fundamentals		E&E Engineering Elective (see elective table)		E&E Engineering Elective (see elective table)				
S 2	ENG 4001B Research Project Part B		COMP SCI 3307 Secure Programming		ELEC ENG 4100 Business Management Systems		E&E Engineering Elective (see elective table)				

Core Course Major Course Elective (see table)



Electives Table

	CHOOSE FROM THE FOLLOWING ELECTRICAL & ELECTRONIC (E&E) ENGINEERING ELECTIVES									
	COMP SCI 3001	Computer Networks & Applications		COMP SCI 3006	Software Engineering & Project					
	ELEC ENG 4063	Communications		ELEC ENG 3104	Electric Drive Systems					
C1	ELEC ENG 4109	4109 Digital Microelectronics		ELEC ENG 3108	Telecommunications Principles					
21			S2	ELEC ENG 4061	Image Processing					
				ELEC ENG 4105	Real-Time & Embedded Systems					
				ELEC ENG 4106	Radio Frequency Systems					

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.

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Defence Systems Major

	Year 1										
S 1	^ENG 1001 Introduction to Engineering		ELEC ENG 1100 Analog Electronics	ENG 1002 Programming (Matlab and C)	MATHS 1011 Mathematics IA						
S 2	PHYSICS 1510 Physics 1E: Mechanics & Thermodynamics		ELEC ENG 1102 Digital Electronics	COMP SCI 1102 Object Oriented Programming	MATHS 1012 Mathematics IB						
			Year	· 2							
S 1	MATHS 2106 Differential Equations for Engineers II		ELEC ENG 2100 Digital Systems	ELEC ENG 2101 Electronic Circuits	ELEC ENG 2102 Electric Energy Conversion						
S 2	MATHS 2107 Statistics & Numerical Methods II		ELEC ENG 2103 Design & Innovation	ELEC ENG 2104 Digital Signal Processing	ELEC ENG 2106 Vector Calculus & Electromagnetics						
			Year	3							
S 1	POLIS 1104 Introduction to Comparative Politics		ELEC ENG 3101 Control	ELEC ENG 3103 Engineering Electromagnetics	ENG 3004 Systems Engineering & Industry						
S 2	ELEC ENG 4106 Radio Frequency Systems		ELEC ENG 4107 Autonomous Systems	ENG 3305 Human Factors for Decision Making	ENG 3005 Research Method & Project Management						
			Intern	ship							
	All Engineering students commencing f	rom	2019 are required to complete a minimum of	8 weeks of <u>internship</u> during the course of their s	tudies – see note below elective table.						
			Year	• 4							
S 1	ENG 4001A Research Project Part A		ENG 4010 Defence Leadership	E&E Engineering Elective (see elective table)	E&E Engineering Elective (see elective table)						
S 2	ENG 4001B Research Project Part B		ENG 4020 Complex Systems Engineering	ELEC ENG 4100 Business Management Systems	E&E Engineering Elective (see elective table)						

Core Course Major Course Elective (see table)



Electives Table

	CHOOSE FROM THE FOLLOWING ELECTRICAL & ELECTRONIC (E&E) ENGINEERING ELECTIVES									
	COMP SCI 2103	Algorithm Design & Data Structures		COMP SCI 2103	Algorithm Design & Data Structures					
	COMP SCI 3001 ELEC ENG 4063	4063 Communications 4069 Radar Principles & Systems		ELEC ENG 3108	Telecommunications Principles					
s				ELEC ENG 4061	Image Processing					
3	ELEC ENG 4069			ELEC ENG 4067	Antennas & Propagation					
	ELEC ENG 4109			ELEC ENG 4111	Distributed Generation Technologies					
	ELEC ENG 4112	Signal Processing Applications								

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: <u>https://calendar.adelaide.edu.au/faculty/ecms</u>



Medical Technologies Major

	Year 1										
S 1	^ENG 1001 Introduction to Engineering		ELEC ENG 1100 Analog Electronics		ENG 1002 Programming (Matlab and C)		MATHS 1011 Mathematics IA				
S 2	PHYSICS 1510 Physics 1E: Mechanics & [Thermodynamics		ELEC ENG 1102 Digital Electronics		COMP SCI 1102 Object Oriented Programming		MATHS 1012 Mathematics IB				
			Y	/ear	2						
S 1	MATHS 2106 Differential Equations for Engineers II		ELEC ENG 2100 Digital Systems		ELEC ENG 2101 Electronic Circuits		ELEC ENG 2102 Electric Energy Conversion				
S 2	MATHS 2107 Statistics & Numerical Methods II		ELEC ENG 2103 Design & Innovation		ELEC ENG 2104 Digital Signal Processing		ELEC ENG 2106 Vector Calculus & Electromagnetics				
	Year 3										
S 1	ENG 3101 Introduction to Medical Technologies		ANAT SC 1102 Human Anatomy and Physiology IA		ELEC ENG 3101 Control		ELEC ENG 3103 Engineering Electromagnetics				
S 2	ELEC ENG 3113 Principles of Medical Imaging [ELEC ENG 4115 Biomedical Instrumentation		ENG 3004 Systems Engineering & Industry Practice		ENG 3005 Research Method & Project Management				
		_	Inte	erns	hip			-			
	All Engineering students commencing from	om	2019 are required to complete a minimum	of 8	weeks of internship during the course of th	neir st	tudies – see note below elective table.				
			Y	/ear	4						
S 1	ENG 4001A Research Project Part A [PHYSIOL 2510 Physiology IIA: Heart, Lung & Neuromuscular Systems		E&E Engineering Elective (see elective table)		E&E Engineering Elective (see elective table)				
S 2	ENG 4001B Research Project Part B		MECH ENG 4101 Biomechanical Engineering		ELEC ENG 4100 Business Management Systems		E&E Engineering Elective (see elective table)				

Core Course Major Course Elective (see table)



Electives Table

	CHOOSE FROM THE FOLLOWING ELECTRICAL & ELECTRONIC (E&E) ENGINEERING ELECTIVES										
	ANAT SC 2006	Foundations of Human Neuroanatomy	52	COMP SCI 2103	Algorithm Design & Data Structures						
	ANAT SC 2109	Biology and Development of Human Tissues		ELEC ENG 3108	Telecommunications Principles						
C1	COMP SCI 2103	Algorithm Design & Data Structures		ELEC ENG 4061	Image Processing						
51	ELEC ENG 4063	Communications		ELEC ENG 4067	Antennas & Propagation						
	ELEC ENG 4109	Digital Microelectronics									
	ELEC ENG 4112	Signal Processing Applications									

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.

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Renewable Energy Major

			Year	ar 1	L			
S1	^ENG 1001 Introduction to Engineering		ELEC ENG 1100 Analog Electronics		ENG 1002 Programming (Matlab and C)		MATHS 1011 Mathematics IA	
S2	PHYSICS 1510 Physics 1E: Mechanics & Thermodynamics		ELEC ENG 1102 Digital Electronics	_	COMP SCI 1102 Object Oriented Programming		MATHS 1012 Mathematics IB	
			Year	ar 2	2			
S1	MATHS 2106 Differential Equations for Engineers II		ELEC ENG 2100 Digital Systems		ELEC ENG 2101 Electronic Circuits		ELEC ENG 2102 Electric Energy Conversion	
S2	MATHS 2107 Statistics & Numerical Methods II		ELEC ENG 2103 Design & Innovation		ELEC ENG 2104 Digital Signal Processing		ELEC ENG 2106 Vector Calculus & Electromagnetics	
			Year	ar 3				
S1	ENG 3005 Research Method & Project Management		ELEC ENG 3101 Control	_	ELEC ENG 3103 Engineering Electromagnetics		ENG 3004 Systems Engineering & Industry Practice	
S2	ELEC ENG 3104 Electric Drive Systems		ELEC ENG 3110 Electric Power Systems		ELEC ENG 4111 Distributed Generation Technologies		E&E Engineering Elective (see elective table)	
			Intern	nsh	nip			-
	All Engineering students commencing	from	2019 are required to complete a minimum of	f 8 v	weeks of <u>internship</u> during the course of th	eir s	udies – see note below elective table.	
			Year	ar 4				
S1	ENG 4001A Research Project Part A		MECH ENG 4064 Renewable Power Technologies		E&E Engineering Elective (see elective table)		E&E Engineering Elective (see elective table)	
S2	ENG 4001B Research Project Part B		CHEM ENG 4048 Biofuels, Biomass and Wastes		ELEC ENG 4100 Business Management Systems		E&E Engineering Elective (see elective table)	

Core CourseMajor CourseElective (see table)



Electives Table

	CHOOSE FROM THE FOLLOWING ELECTRICAL & ELECTRONIC (E&E) ENGINEERING ELECTIVES									
	COMP SCI 2103	Algorithm Design & Data Structures		COMP SCI 2103	Algorithm Design & Data Structures					
C1	COMP SCI 3001	Computer Networks & Applications		ELEC ENG 3108	Telecommunications Principles					
51	ELEC ENG 4058	Power Quality & Condition Monitoring	32	ELEC ENG 4087	Electricity Market and Power System Operations					
	ELEC ENG 4109	Digital Microelectronics		MECH ENG 4145	Sustainable Thermal Technologies (not offered 2022)					

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.

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Smart Technologies Major

			Yea	ar 1	1				
S1	^ENG 1001 Introduction to Engineering		ELEC ENG 1100 Analog Electronics		ENG 1002 Programming (Matlab and C)		MATHS 1011 Mathematics IA		
S2	PHYSICS 1510 Physics 1E: Mechanics & Thermodynamics		ELEC ENG 1102 Digital Electronics		COMP SCI 1102 Object Oriented Programming		MATHS 1012 Mathematics IB		
	Year 2								
S1	MATHS 2106 Differential Equations for Engineers II		ELEC ENG 2100 Digital Systems		ELEC ENG 2101 Electronic Circuits		ELEC ENG 2102 Electric Energy Conversion		
S2	MATHS 2107 Statistics & Numerical Methods II		ELEC ENG 2103 Design & Innovation	 	ELEC ENG 2104 Digital Signal Processing		ELEC ENG 2106 Vector Calculus & Electromagnetics		
			Yea	ar 3	3			-	
S1	COMP SCI 2103 Algorithm Design & Data Structures		ELEC ENG 3101 Control	- I	ELEC ENG 3103 Engineering Electromagnetics		ENG 3004 Systems Engineering & Industry Practice		
S2	ELEC ENG 4107 Autonomous Systems		MECH ENG 3032 Micro-Controller Programming	_	E&E Engineering Elective (see elective table)		ENG 3005 Research Method & Project Management		
			Interr	nsł	hip				
	All Engineering students commencing f	from	1 2019 are required to complete a minimum of	f 8	weeks of internship during the course of the	eir st	udies – see note below elective table.		
			Yea	ar 4	4				
S1	ENG 4001A Research Project Part A		COMP SCI 3001 Computer Networks & Applications		E&E Engineering Elective (see elective table)		E&E Engineering Elective (see elective table)		
S2	ENG 4001B Research Project Part B		ELEC ENG 4100 Business Management Systems		ELEC ENG 3108 Telecommunications Principles		E&E Engineering Elective (see elective table)		

Core CourseMajor CourseElective (see table)



Electives Table

	CHOOSE FROM THE FOLLOWING ELECTRICAL & ELECTRONIC (E&E) ENGINEERING ELECTIVES									
	ELEC ENG 3088	Computer Architecture Communications		COMP SCI 3006	Software Engineering & Project					
	ELEC ENG 4063			ELEC ENG 3108	Telecommunications Principles					
S1	ELEC ENG 4069	Radar Principles & Systems	S2	ELEC ENG 4061	Image Processing					
	ELEC ENG 4109	Digital Microelectronics		ELEC ENG 4067	Antennas & Propagation					
	ELEC ENG 4112	Signal Processing Applications								

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.

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Electrical and Electronic Engineering Minors

Minors are undertaken by taking 12 units of courses within one of the following streams to replace 12 units of electives. If they are not listed in the elective table for a given major, the courses below cannot contribute as Electrical and Electronic electives unless the full 12-unit Minor is awarded.

Humanitarian Engineering Minor

One course of each labelled **A**, **B**, **C**, **D** must be taken.

		Summer		Winter			
Α	SPATIAL 3007WT	GIS for Environmental Management III	A B	SPATIAL 3020WT PROJMGMT 3030	GIS for Agriculture & Natural Resource III Project Logistics and Supply Chains		
		Semester 1			Semester 2		
C D	DEVT 2100 ENG 3201	Poverty and Social Development Essentials of Humanitarian Practice (TBC)	D B	DEVT 2101 ENG 3201	Empowerment & Development: Community & Gender Essentials of Humanitarian Practice (not offered 2022)		

Entrepreneurship Minor

One course of each labelled **A**, **B**, **C**, **D** must be taken.

		Summer			Winter	
Α	ENTREP 3000	Innovation and Creativity				
		Semester 1		Semester 2		
В	ENTREP 3901	Tech eChallenge	Α	ENTREP 3000	Innovation and Creativity	
С	ENTREP 3015	Entrepreneurial Leadership	В	ENTREP 3900	eChallenge	
			D	ENTREP 3011	Startup Methodologies	