

No Major	2
Communication Systems Major	4
Computer Engineering Major	
Cybersecurity Major	
Defence Systems Major	
Medical Technologies Major	
Renewable Energy Major	
Smart Technologies Major	
Smart Technologies Major	1t



No Major

						110 Maj	_
			Year	1			
S1			-				-
S2	MATHS 1011 Mathematics IA	ELEC ENG 1102 Digital Electronics		ENG 1002 Programming (Matlab and C)		^ENG 1001 Introduction to Engineering	
			Year	2			
S1	MATHS 1012 Mathematics IB	COMP SCI 1102 Object Oriented Programming		ELEC ENG 1100 Analog Electronics		PHYSICS 1100 Physics IA	
S2	ELEC ENG 2103 Design & Innovation	ELEC ENG 2104 Digital Signal Processing		ELEC ENG 2106 Vector Calculus & Electromagnetics		PHYSICS 1200 Physics IB	
			Year	3			
S1	MATHS 2106 Differential Equations for Engineers II	ELEC ENG 2102 Electric Energy Conversion		ELEC ENG 2101 Electronic Circuits		PHYSICS 2510 Physics IIA	
S2	MATHS 2107 Statistics & Numerical Methods II	ELEC ENG 3110 Electric Power Systems		ELEC ENG 3104 Electric Drive Systems		PHYSICS 2520 Physics IIB	
•			Intern	ship			-
	All Engineering students commencing fro	ո 2019 are required to complete a minimւ	um of 8	3 weeks of <u>internship</u> during the course of th	eir st	tudies – see note below elective table.	
			Year	4			
S1	ELEC ENG 2100 Digital Systems	ELEC ENG 3101 Control		ENG 3004 Systems Engineering & Industry Practice		ELEC ENG 3103 Engineering Electromagnetics	
S2	ELEC ENG 4106 Radio Frequency Systems	ELEC ENG 4105 Real-Time and Embedded Systems		PHYSICS 2532 Classical Physics II		PHYSICS 2534 Electromagnetism II	
			Year	5			
S1	ENG 3005 Research Method & Project Management	E&E Engineering Elective (see elective table)		PHYSICS 3542 Physics III			
S2	ENG 4001A Research Project Part A	ELEC ENG 4100 Business Management Systems		PHYSICS 3002 Experimental Physics III		Level III PHYSICS Elective	
			Year				
S1	Research Project Part B	E&E Engineering Elective (see elective table)		E&E Engineering Elective (see elective table)		Level III PHYSICS Elective	

[^] 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										
	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	Power Quality & Condition Monitoring Communications Radar Principles & Systems Digital Microelectronics		ELEC ENG 3108	Telecommunications Principles						
	ELEC ENG 4058			ELEC ENG 3113	Principles of Medical Imaging						
S1	ELEC ENG 4063			ELEC ENG 4061	Image Processing						
31	ELEC ENG 4069			ELEC ENG 4067	Antennas & Propagation						
	ELEC ENG 4109			ELEC ENG 4087	Electricity Market and Power System Operations						
	ELEC ENG 4112			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.

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



Communication Systems Major

	Communication Systems Major							
		,	Year	1				
S1							-	
S2	MATHS 1011 Mathematics IA	ELEC ENG 1102 Digital Electronics		ENG 1002 Programming (Matlab and C)		^ENG 1001 Introduction to Engineering		
			Year	2				
S1	MATHS 1012 Mathematics IB	COMP SCI 1102 Object Oriented Programming		ELEC ENG 1100 Analog Electronics		PHYSICS 1100 Physics IA		
S2	ELEC ENG 2103 Design & Innovation	ELEC ENG 2104 Digital Signal Processing		ELEC ENG 2106 Vector Calculus & Electromagnetics		PHYSICS 1200 Physics IB		
		,	Year	3				
S1	MATHS 2106 Differential Equations for Engineers II	ELEC ENG 2102 Electric Energy Conversion		ELEC ENG 2101 Electronic Circuits		PHYSICS 2510 Physics IIA		
S2	COMP SCI 2103 Algorithm Design & Data Structures	ELEC ENG 3108 Telecommunications Principles		MATHS 2107 Statistics & Numerical Methods II		PHYSICS 2520 Physics IIB		
		Int	terns	ship				
	All Engineering students commencing from	n 2019 are required to complete a minimum	n of 8	B weeks of <u>internship</u> during the course of th	eir st	tudies – see note below elective table.		
			Year	4				
S1	ELEC ENG 2100 Digital Systems	ELEC ENG 3101 Control		ENG 3004 Systems Engineering & Industry Practice		ELEC ENG 3103 Engineering Electromagnetics		
S2	ELEC ENG 4106 Radio Frequency Systems	ELEC ENG 4054 Telecommunication Systems		PHYSICS 2532 Classical Physics II		PHYSICS 2534 Electromagnetism II		
		,	Year	5				
S1	COMP SCI 3001 Computer Networks & Applications	ENG 3005 Research Method & Project Management		PHYSICS 3542 Physics III				
S2	ENG 4001A Research Project Part A	ELEC ENG 4100 Business Management Systems		PHYSICS 3002 Experimental Physics III		Level III PHYSICS Elective		
			Year	6				
S1	ENG 4001B Research Project Part B	ELEC ENG 4063 Communications		E&E Engineering Elective (see elective table)		Level III PHYSICS Elective		
Core	e Course Maior course Ele	ctive (see table) Double Degree Cou	urses					

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



Bachelor of Engineering (Honours) (Electrical and Electronic) with Bachelor of Science (Physics) — Semester 2 Start 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						
S:	ELEC ENG 4069	Radar Principles & Systems	S2	ELEC ENG 4105	Real-Time & Embedded Systems						
	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.

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



Computer Engineering Major

	Computer Engineering Major							
			Year	1				
S1			=		-			
S2	MATHS 1011 Mathematics IA	ELEC ENG 1102 Digital Electronics		ENG 1002 Programming (Matlab and C)		^ENG 1001 Introduction to Engineering		
			Year	2				
S1	MATHS 1012 Mathematics IB	COMP SCI 1102 Object Oriented Programming		ELEC ENG 1100 Analog Electronics		PHYSICS 1100 Physics IA		
S2	ELEC ENG 2103 Design & Innovation	ELEC ENG 2104 Digital Signal Processing		ELEC ENG 2106 Vector Calculus & Electromagnetics		PHYSICS 1200 Physics IB		
			Year	3				
S1	MATHS 2106 Differential Equations for Engineers II	ELEC ENG 2102 Electric Energy Conversion		ELEC ENG 2101 Electronic Circuits		PHYSICS 2510 Physics IIA		
S2	ELEC ENG 4105 Real-Time & Embedded Systems	COMP SCI 2103 Algorithm Design & Data Structures		MATHS 2107 Statistics & Numerical Methods II		PHYSICS 2520 Physics IIB		
		ı	ntern	ship				
	All Engineering students commencing fro	m 2019 are required to complete a minimu	ım of 8	3 weeks of <u>internship</u> during the course of t	heir s	tudies – see note below elective table.		
			Year	4				
S1	ELEC ENG 4109 Digital Microelectronics	ELEC ENG 3101 Control		ELEC ENG 2100 Digital Systems		ELEC ENG 3103 Engineering Electromagnetics		
S2	COMP SCI 3004 Operating Systems	ENG 3005 Research Method & Project Management		PHYSICS 2532 Classical Physics II		PHYSICS 2534 Electromagnetism II		
			Year	5			-	
S1	COMP SCI 3005 Computer Architecture	ENG 3004 Systems Engineering & Industry Practice		PHYSICS 3542 Physics III				
S2	ENG 4001A Research Project Part A	ELEC ENG 4100 Business Management Systems		PHYSICS 3002 Experimental Physics III		Level III PHYSICS Elective		
			Year	6				
S1	ENG 4001B Research Project Part B	COMP SCI 3001 Computer Networks & Applications		E&E Engineering Elective (see elective table)		Level III PHYSICS Elective		
Cor	e Course Major course Fle	octive (see table) Double Degree Co	Ource					

[^] 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										
	COMP SCI 3007	Artificial Intelligence		COMP SCI 3006	Software Engineering & Project						
	COMP SCI 3308	Cybersecurity Fundamentals		COMP SCI 3307	Secure Programming						
C1	ELEC ENG 4112	Signal Processing Applications	S2	ELEC ENG 3104	Electric Drive Systems						
31				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.

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



Cybersecurity Major

	Cybersecurity major							
			Year	1				
S1			_					
S2	MATHS 1011 Mathematics IA	ELEC ENG 1102 Digital Electronics		ENG 1002 Programming (Matlab and C)		^ENG 1001 Introduction to Engineering		
			Year	2				
S1	MATHS 1012 Mathematics IB	COMP SCI 1102 Object Oriented Programming		ELEC ENG 1100 Analog Electronics		PHYSICS 1100 Physics IA		
S2	ELEC ENG 2103 Design & Innovation	ELEC ENG 2104 Digital Signal Processing		ELEC ENG 2106 Vector Calculus & Electromagnetics		PHYSICS 1200 Physics IB		
			Year	3				
S1	MATHS 2106 Differential Equations for Engineers II	ELEC ENG 2102 Electric Energy Conversion		ELEC ENG 2101 Electronic Circuits		PHYSICS 2510 Physics IIA		
S2	COMP SCI 2103 Algorithm Design & Data Structures	COMP SCI 2000 Computer Systems		MATHS 2107 Statistics & Numerical Methods II		PHYSICS 2520 Physics IIB		
		lr	ntern	ship				
	All Engineering students commencing fro	m 2019 are required to complete a minimur	m of 8	3 weeks of internship during the course of th	eir st	tudies – see note below elective table.		
			Year	4				
S1	ELEC ENG 2100 Digital Systems	ELEC ENG 3101 Control		ENG 3004 Systems Engineering & Industry Practice		ELEC ENG 3103 Engineering Electromagnetics		
S2	COMP SCI 2201 Algorithm & Data Structure Analysis	COMP SCI 3004 Operating Systems UG		PHYSICS 2532 Classical Physics II		PHYSICS 2534 Electromagnetism II		
			Year	5				
S1	COMP SCI 3308 Cybersecurity Fundamentals	ENG 3005 Research Method & Project Management		PHYSICS 3542 Physics III				
S2	ENG 4001A Research Project Part A	COMP SCI 3307 Secure Programming		ELEC ENG 4100 Business Management Systems		PHYSICS 3002 Experimental Physics III		
			Year	6				
S1	ENG 4001B Research Project Part B	E&E Engineering Elective (see elective table)		Level III PHYSICS Elective		Level III PHYSICS Elective		
Core	e Course Major course Ele	ective (see table) Double Degree Co	ourses					

[^] 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										
	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	Digital Microelectronics		ELEC ENG 3108	Telecommunications Principles						
31			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.

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



Defence Systems Major

	Year 1									
0.1				rear						
\$1 \$2	MATHS 1011 Mathematics IA		ELEC ENG 1102 Digital Electronics		ENG 1002 Programming (Matlab and C)		^ENG 1001 Introduction to Engineering			
				Year	2					
S1	MATHS 1012 Mathematics IB		COMP SCI 1102 Oriented Programming		ELEC ENG 1100 Analog Electronics		PHYSICS 1100 Physics IA			
S2	ELEC ENG 2103 Design & Innovation		ELEC ENG 2104 Digital Signal Processing		ELEC ENG 2106 Vector Calculus & Electromagnetics		PHYSICS 1200 Physics IB			
				Year	3					
S1	MATHS 2106 Differential Equations for Engineers II		ELEC ENG 2102 Electric Energy Conversion		ELEC ENG 2101 Electronic Circuits		PHYSICS 2510 Physics IIA			
S2	ELEC ENG 4107 Autonomous Systems		ENG 3305 Human Factors for Decision Making		MATHS 2107 Statistics & Numerical Methods II		PHYSICS 2520 Physics IIB			
			In	terns	ship					
	All Engineering students commencing	from	2019 are required to complete a minimun	n of 8	weeks of internship during the course of the	neir s	tudies – see note below elective table.			
				Year	4					
S1	ELEC ENG 2100 Digital Systems		ELEC ENG 3101 Control		ENG 3004 Systems Engineering & Industry Practice		ELEC ENG 3103 Engineering Electromagnetics			
S2	ELEC ENG 4106 Radio Frequency Systems		E&E Engineering Elective (see elective table)		PHYSICS 2532 Classical Physics II		PHYSICS 2534 Electromagnetism II			
				Year	5					
S1	POLIS 1104 Introduction to Comparative Politics		ENG 3005 Research Method & Project Management		PHYSICS 3542 Physics III					
S2	ENG 4001A Research Project Part A		ENG 4020 Complex Systems Engineering		ELEC ENG 4100 Business Management Systems		PHYSICS 3002 Experimental Physics III			
				Year	6					
S1	ENG 4001B Research Project Part B		ENG 4010 Defence Leadership		Level III PHYSICS Elective		Level III PHYSICS Elective			
	Course Major course		tive (see table) Double Degree Cou							

[^] 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										
	COMP SCI 2103	Algorithm Design & Data Structures		COMP SCI 2103	Algorithm Design & Data Structures						
	COMP SCI 3001	Computer Networks & Applications Communications Radar Principles & Systems		ELEC ENG 3108	Telecommunications Principles						
61	ELEC ENG 4063			ELEC ENG 4061	Image Processing						
31	ELEC ENG 4069			ELEC ENG 4067	Antennas and Propagation						
	ELEC ENG 4109	Digital Microelectronics			Distributed Generation Technologies						
	ELEC ENG 4112	112 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: 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



Medical Technologies Major

						TAT	edical reciliologies major
				Year	1		
S1						-	
S2	MATHS 1011 Mathematics IA		ELEC ENG 1102 Digital Electronics		ENG 1002 Programming (Matlab and C)		^ENG 1001 Introduction to Engineering
				Year	2		
S1	MATHS 1012 Mathematics IB		COMP SCI 1102 Object Oriented Programming		ELEC ENG 1100 Analog Electronics		PHYSICS 1100 Physics IA
S2	ELEC ENG 2103 Design & Innovation		ELEC ENG 2104 Digital Signal Processing		ELEC ENG 2106 Vector Calculus & Electromagnetics		PHYSICS 1200 Physics IB
				Year	3		
S1	MATHS 2106 Differential Equations for Engineers II		ELEC ENG 2102 Electric Energy Conversion		ELEC ENG 2101 Electronic Circuits		PHYSICS 2510 Physics IIA
S2	MATHS 2107 Statistics & Numerical Methods II		PHYSICS 2520 Physics IIB		PHYSICS 2532 Classical Physics II		PHYSICS 2534 Electromagnetism II
			l _i	nterns	ship		
	All Engineering students commencing	from	2019 are required to complete a minimum	m of 8	weeks of internship during the course of t	heir s	tudies – see note below elective table.
				Year	4		
S1	ANAT SC 1102 Human Anatomy and Physiology IA		ELEC ENG 2100 Digital Systems		ELEC ENG 3101 Control		ELEC ENG 3103 Engineering Electromagnetics
S2	ELEC ENG 3113 Principles of Medical Imaging		MECH ENG 4101 Biomechanical Engineering		ENG 3005 Research Method & Project Management		PHYSICS 3002 Experimental Physics III
				Year	5		
S1	ENG 3101 Introduction to Medical Technologies		ENG 3004 Systems Engineering & Industry Practice		PHYSICS 3542 Physics III		
S2	ENG 4001A Research Project Part A		ELEC ENG 4115 Biomedical Instrumentation		ELEC ENG 4100 Business Management Systems		Level III PHYSICS Elective
				Year	6		
S1	ENG 4001B Research Project Part B		PHYSIOL 2510 Physiology IIA: Heart, Lung & Neuromuscular Systems		E&E Engineering Elective (see elective table)		Level III PHYSICS Elective
	Course Major course	El-	tive (see table) Double Degree Co				

[^] 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									
	ANAT SC 2006	Foundations of Human Neuroanatomy		COMP SCI 2103	Algorithm Design & Data Structures					
	ANAT SC 2109	Biology and Development of Human Tissues		ELEC ENG 3108	Telecommunications Principles					
S1	COMP SCI 2103	Algorithm Design & Data Structures	S2	ELEC ENG 4061	Image Processing					
31	ELEC ENG 4063	Communications		ELEC ENG 4067	Antennas and 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.

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



Renewable Energy Major

S1 ELEC ENG 2100	reigy major	Kenewable Energy								
MATHS 1011 COMP SCI 1102 Digital Electronics ENG 1002 Programming (Matlab and C) Programming (Matlab and C) Introduction to Engineering (Matlab and C) Programming (Matlab and College (Matlab and College (Matlab and College (Matlab a	Year 1									
Mathematics IA Digital Electronics Programming (Matlab and C) Introduction to Engineering									S1	S1
MATHS 1012	ring								co l	S2
Mathematics IB				2	Year					
Segment Segmen									C1	S 1
MATHS 2106										S2
Differential Equations for Engineers II				3	Year					
Electric Power Systems Electric Drive Systems Statistics & Numerical Methods II Physics IIB										S1
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 to receive the studies – see note below elective to receive the studies – see note below elective to receive the studies – see note below elective to receive the studies – see note below elective to receive the studies – see note below elective to receive the studies – see note below elective to receive the studies – see note below elective to receive the studies – see note below elective to receive the studies – see note below elective to receive the studies – see note below elective to receive the studies – see note below elective to receive the studies – see note below elective to receive the studies – see note below elective to receive the see note to receive the see note below elective to receive the see note to receive the see note below elective to receive the see note									ເລ	S2
S1 ELEC ENG 2100	Internship									
ELEC ENG 2100 Digital Systems ELEC ENG 3101 Control ENG 3004 Systems Engineering & Industry Practice ENG 3103 Engineering Electromagnetics ELEC ENG 4111 Distributed Generation Technologies ELEC ENG 4001A Research Project Part A ELEC ENG 3101 ENG 3004 Systems Engineering & Industry Practice PHYSICS 2532 Classical Physics II PHYSICS 2532 Classical Physics II PHYSICS 3542 Physics III PHYSICS 3542 Physics III ELEC ENG 4100 Business Management Systems ELEC ENG 4100 ELEC ENG 4100 ELEC ENG 4100 Business Management Systems ENG 3002 Experimental Physics III ENG 3004 E	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.									
S1 Digital Systems Control Systems Engineering & Industry Practice Engineering Electromagnetics S2 ELEC ENG 4111 Distributed Generation Technologies CHEM ENG 4048 Biofuels, Biomass and Wastes PHYSICS 2532 Classical Physics II PHYSICS 2534 Electromagnetism II S1 ENG 3005 Research Method & Project Management E&E Engineering Elective (see elective table) PHYSICS 3542 Physics III S2 ENG 4001A Research Project Part A ELEC ENG 4100 Business Management Systems PHYSICS 3002 Experimental Physics III Level III PHYSICS Elective Experimental Physics III										
Distributed Generation Technologies Biofuels, Biomass and Wastes Year 5 S1 ENG 3005 Research Method & Project Management S2 ENG 4001A Research Project Part A Biofuels, Biomass and Wastes Classical Physics II PHYSICS 3542 Physics III PHYSICS 3002 Experimental Physics III Level III PHYSICS Elective Experimental Physics III	netics \Box									S1
S1 ENG 3005 Research Method & Project Management									cal	S2
Research Method & Project Management (see elective table) S2 ENG 4001A Research Project Part A ELEC ENG 4100 Business Management Systems Physics III PHYSICS 3002 Experimental Physics III				5	Year					
Research Project Part A Business Management Systems Experimental Physics III									C1	S1
VC	e	Level III PHYSICS Elective						· : ·	(2	S2
Year 6				6	Year					
S1 ENG 4001B Research Project Part B MECH ENG 4064 Renewable Power Technologies Renewable Power Technologies Cons Course Major source Mech ENG 4064 Renewable Power Technologies Renewable Power Technologies Cons Course Major source Mech ENG 4064 Renewable Power Technologies Renewable Power Technologies		Level III PHYSICS Elective		(see elective table)		Renewable Power Technologies		n Project Part B	C1	S1

[^] 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								
	COMP SCI 2103	Algorithm Design & Data Structures		COMP SCI 2103	Algorithm Design & Data Structures			
	COMP SCI 3001	Computer Networks & Applications	52	ELEC ENG 3108	Telecommunications Principles			
S1	ELEC ENG 4058	Power Quality & Condition Monitoring		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.

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



Smart Technologies Major

					_	omate recimionogico maj	-
			Year	1			
S1			_		=		-
S2	MATHS 1011 Mathematics IA	ELEC ENG 1102 Digital Electronics		ENG 1002 Programming (Matlab and C)		^ENG 1001 Introduction to Engineering	
			Year	2			
S1	MATHS 1012 Mathematics IB	COMP SCI 1102 Object Oriented Programming		ELEC ENG 1100 Analog Electronics		PHYSICS 1100 Physics IA	
S2	ELEC ENG 2103 Design & Innovation	ELEC ENG 2104 Digital Signal Processing		ELEC ENG 2106 Vector Calculus & Electromagnetics		PHYSICS 1200 Physics IB	
			Year	3			-
S1	MATHS 2106 Differential Equations for Engineers II	ELEC ENG 2102 Electric Energy Conversion		ELEC ENG 2101 Electronic Circuits		PHYSICS 2510 Physics IIA	
S2	MECH ENG 3032 Micro-Controller Programming	COMP SCI 2103 Algorithm Design & Data Structures		MATHS 2107 Statistics & Numerical Methods II		PHYSICS 2520 Physics IIB	
		İr	ntern	ship			
	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 2100 Digital Systems	ELEC ENG 3101 Control		ENG 3004 Systems Engineering & Industry Practice		ELEC ENG 3103 Engineering Electromagnetics	
S2	ELEC ENG 4107 Autonomous Systems	E&E Engineering Elective (see elective table)		PHYSICS 2532 Classical Physics II		PHYSICS 2534 Electromagnetism II	
			Year	5			
S1	COMP SCI 3001 Computer Networks & Applications	ENG 3005 Research Method & Project Management		PHYSICS 3542 Physics III			
S2	ENG 4001A Research Project Part A	ELEC ENG 4100 Business Management Systems		PHYSICS 3002 Experimental Physics III		Level III PHYSICS Elective	
			Year	6			
S1	ENG 4001B Research Project Part B	ELEC ENG 3108 Telecommunications Principles		E&E Engineering Elective (see elective table)		Level III PHYSICS Elective	
C	Causes Maior agures Fla	stive (and table) Davible Desires Ca					

[^] 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									
	ELEC ENG 3088	Computer Architecture		COMP SCI 3006	Software Engineering & Project					
	ELEC ENG 4063	Communications		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 and 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.

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