

# BACHELOR OF ENGINEERING (Hons) IN ELECTRICAL AND COMPUTER SYSTEMS ENGINEERING

LEVEL 1		LEVEL 2		LEVEL 3		LEVEL 4	
Semester 1	Semester 2	Semester 1	Semester 2	Semester 1	Semester 2	Semester 1	Semester 2
First Year Engineering Unit	First Year Engineering Unit	ECE2011 Signal Processing	ECE2021 Electromagnetism	ECE3022 Wireless & Guided EM	ECE3051 Electrical Energy Systems or ECE3062 Electronic Circuits & Control	ECE4094 and ECE4095 Major Design Project	
First Year Engineering Unit	First Year Engineering Unit	ECE2041 Telecommunications	ECE2031 Circuits & Control	ECE3073 Computer Systems	ECE3091 Engineering Design	ECE4099 Professional Practice	ECE3051 Electrical Energy Systems or ECE3062 Electronic Circuits & Control
First Year Engineering Unit	First Year Engineering Unit	ECE2061 Analogue Electronics	ECE2072 Digital Systems	ECE3093 Optimisation Estimation & Numerical Methods	Elective	Elective	Elective
First Year Engineering Unit	First Year Engineering Unit	ECE2071 Computer Organisation and Programming	ENG2092 Advanced Engineering Maths B	Elective	Elective	Elective	Elective

## Suggested course structure

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\*All information correct at time of publishing

CRICOS Provider No. 00008C

## BACHELOR OF ENGINEERING (Hons) IN ECSE/BACHELOR OF ARTS

LEVEL 1		LEVEL 2		LEVEL 3		LEVEL 4		LEVEL 5		
Semester 1	Semester 2	Semester 1	Semester 2	Semester 1	Semester 2	Semester 1	Semester 2	Semester 1	Semester 2	
First Year Engineering Unit	First Year Engineering Unit	ECE2011 Signal Processing	ECE2072 Digital Systems	ECE2041 Tele-communications	ECE2021 Electro-magnetism	ECE3073 Computer Systems	ECE 3062 Electronic Systems & Control	ECE4094 & ECE4095 Major Design Project		
First Year Engineering Unit	First Year Engineering Unit	ECE2071 Computer Organisation & Programming	ENG2092 Adv. Engineering Maths B	ECE2061 Analogue Electronics	ECE2031 Circuits & Control	ECE3093 Optimisation Estimation & Numerical Methods	ECE3091 Engineering Design	ECE3022 Wireless and Guided EM	ECE3051 Electrical Energy Systems	
First Year Engineering Unit	First Year Engineering Unit	Arts Unit	Arts Unit	Arts Unit	Arts Unit	ECSE Elective	ECSE Elective	ECE4099 Professional Practice	ECSE Elective	Arts Units
Arts Unit	Arts Unit	Arts Unit	Arts Unit	Arts Unit	Arts Unit	Arts Unit	Arts Unit	Arts Unit	Arts Unit	

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## BACHELOR OF COMMERCE/BACHELOR OF ENGINEERING (Hons) IN ECSE

LEVEL 1		LEVEL 2		LEVEL 3		LEVEL 4		LEVEL 5		Commerce Units
Semester 1	Semester 2	Semester 1	Semester 2	Semester 1	Semester 2	Semester 1	Semester 2	Semester 1	Semester 2	
First Year Engineering Unit	First Year Engineering Unit	ECE2071 Computer Organisation and Program	ECE2072 Digital Systems	ECE2041 Tele-communications	ECE2021 Electro-magnetism	ECE3073 Computer Systems	ECE3062 Electronic Systems & Control	ECE4094 and ECE4095 Major Design Project		
First Year Engineering Unit	First Year Engineering Unit	ECE2011 Signal Processing	ENG2092 Adv. Engineering Maths B	ECE2061 Analogue Electronics	ECE2031 Circuits & Control	ECE3093 Optimisation Estimation & Numerical Methods	ECE3091 Engineering Design	ECE3022 Wireless & Guided EM	ECE3051 Electrical Energy Systems	
First Year Engineering Unit	First Year Engineering Unit	Commerce Unit	Commerce Unit	Commerce Unit	Commerce Unit	ECSE Elective	ECSE Elective	ECSE Elective	ECSE Elective	
Commerce Unit	Commerce Unit	Commerce Unit	Commerce Unit	Commerce Unit	Commerce Unit	Commerce Unit	Commerce Unit	Commerce Unit	Commerce Unit	

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## BACHELOR OF ENGINEERING (Hons) IN ECSE/BACHELOR OF LAW

LEVEL 1		LEVEL 2		LEVEL 3		LEVEL 4		LEVEL 5, 6...
Semester 1	Semester 2	Semester 1	Semester 2	Semester 1	Semester 2	Semester 1	Semester 2	5, 6...
First Year Engineering Unit	First Year Engineering Unit	ECE2011 Signal Processing	ECE2021 Electro-magnetism	ECE3022 Wireless & Guided EM	ECE3062 Electronic Systems & Control	ECE4094 & ECE4095 Major design Project		Law Units
First Year Engineering Unit	First Year Engineering Unit	ECE2041 Tele-communications	ECE2031 Circuits & Control	ECE3073 Computer Systems	ECE3091 Engineering Design	ECSE Elective	ECE3051 Electrical Energy Systems	
First Year Engineering Unit	First Year Engineering Unit	ECE2061 Analogue Electronics	ECE2072 Digital Systems	ECE3093 Optimisation Estimation & Numerical Methods	ECSE Elective	Law Unit	ECSE Elective	
Law Unit	Law Unit	ECE2071 Computer Organisation & Programming	ENG2092 Advanced Engineering Maths B	ECSE Elective	Law Unit	Law Unit	Law Unit	
		Law Unit	Law Unit					

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## BACHELOR OF SCIENCE/BACHELOR OF ENGINEERING (Hons) (Generic) in ECSE

LEVEL 1		LEVEL 2		LEVEL 3		LEVEL 4		LEVEL 5	
Semester 1	Semester 2	Semester 1	Semester 2	Semester 1	Semester 2	Semester 1	Semester 2	Semester 1	Semester 2
First Year Engineering Unit	First Year Engineering Unit	ECE2011 Signal Processing	ECE2031 Circuits & Control	ECE2041 Tele-communication	ENG2092 Advanced Engineering Mathematics B	ECE3073 Computer Systems or ECSE Elective (if FITXXXX at level 1)	ECE3051 Electrical Energy Systems	ECE4094 & ECE4095 Major Design Project	
Science Unit	Science Unit	ECE2071 Computer Organisation & Programming or ECE2061 (if FITXXXX at Level 1)	ECE2072 Digital Systems	ECE2061 Analogue Electronics or ECE3073 (if FITXXXX at Level 1)	ECE3062 Electronic Systems & Control	ECE3093 Optimisation Estimation & Numerical Methods	ECE3091 Engineering Design	ECE3022 Wireless & Guided EM	ECSE Elective
Science Unit	Science Unit	Science Unit	Science Unit	Science Unit	Science Unit	Science Unit	Science Unit	ECE4099 Professional Practice	ECSE Elective
Science Unit	Science Unit	Science Unit	Science Unit	Science Unit	Science Unit	Science Unit	Science Unit	ECSE Elective	ECSE Elective

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## BACHELOR OF SCIENCE/BACHELOR OF ENGINEERING (Hons) (Biomed) in ECSE

LEVEL 1		LEVEL 2		LEVEL 3		LEVEL 4		LEVEL 5	
Semester 1	Semester 2	Semester 1	Semester 2	Semester 1	Semester 2	Semester 1	Semester 2	Semester 1	Semester 2
First Year Engineering Unit	First Year Engineering Unit	ECE2011 Signal Processing	ECE2072 Digital Systems	ECE2041 Telecommunications	ECE2021 Electro-Magnetism	ECE3073 Computer Systems (or elective if FITXXXX in Level 1) or ECE3022 Wireless & Guided EM	ECE3051 Electrical Energy Systems or ECE3062 Electronic Systems	ECE4094 & ECE4095 Major Design Project	
Science Unit	Science Unit	ECE2071 Computer Organisation & Prog. or ECE2061 if FITXXXX in Level 1)	ENG2092 Adv Eng. Maths B	ECE2061 Analogue Electronics (or ECE3073 if FITXXXX in Level 1)	ECE2031 Circuits & Control	ECE3093 Optimisation Estimation & Numerical Methods	ECE3091 Engineering Design	ECE3022 Wireless & Guided EM or ECE3073 Computer Systems (or Elective if FITXXXX at level 1)	ECE3051 Electrical Energy Systems or ECE3062 Electronic Systems
Science Unit	Science Unit	Science Unit	Science Unit	Science Unit	Science Unit	Biomed Eng Unit 1	ECSE Elective	ECE4099 Professional Practice	ECSE Elective
Science Unit	Science Unit	Science Unit	Science Unit	Science Unit	Science Unit	ECSE Elective	Biomed Eng Unit 2	Biomed Eng Unit 3	Biomed Eng Unit 4

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## BACHELOR OF SCIENCE/BACHELOR OF ENGINEERING (Hons) (CompSci) IN ECSE

LEVEL 1		LEVEL 2		LEVEL 3		LEVEL 4		LEVEL 5	
Semester 1	Semester 2	Semester 1	Semester 2	Semester 1	Semester 2	Semester 1	Semester 2	Semester 1	Semester 2
First Year Engineering Unit	First Year Engineering Unit	ECE2011 Signal Processing	ECE2072 Digital Systems	ECE2041 Tele-communications	ECE2021 Electro-magnetism	ECE3093 Optimisation Estimation & Numerical Methods	ECE3062 Electronic Systems & Control	ECE4094 & ECE4095 Major Design & Project	
Science Unit	Science Unit	ECE2061 Analogue Electronics	ENG2092 Adv Engineering Maths B	ECE3073 Computer Systems	ECE2031 Circuits & Control	ECSE Elective	ECE3091 Engineering Design	ECE3022 Wireless & Guided EM	ECE3051 Electrical Energy Systems
Science Unit	Science Unit	Science Unit	Science Unit	Science Unit	Science Unit	Science Unit	Science Unit	ECE4099 Professional Practice	ECSE Elective
Science Unit	Science Unit	Science Unit	Science Unit	Science Unit	Science Unit	Science Unit	Science Unit	ECSE Elective	ECSE Elective

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# BACHELOR OF BIOMEDICAL SCIENCE/BACHELOR OF ENGINEERING (Hons) IN ECSE

LEVEL 1		LEVEL 2		LEVEL 3		LEVEL 4		LEVEL 5	
Semester 1	Semester 2	Semester 1	Semester 2	Semester 1	Semester 2	Semester 1	Semester 2	Semester 1	Semester 2
First Year Engineering Unit	First Year Engineering Unit	ECE2011 Signal Processing	ECE2021 Electro-Magnetism	ECE2041 Tele-communications	ECE3051 Energy Systems or ECE3062 Electronic Systems & Control	ECE3022 Wireless & Guided EM	ECE3051 Electrical Energy Systems or ECE3062 Electronic Systems & Control	ECE4094 & ECE4095 Major Design Project	
First Year Engineering Unit	First Year Engineering Unit	ECE2071 Computer organisation and programming	ECE2031 Circuits & Control	ECE2061 Analogue Electronics	Biomedical Science Units	ECE3073 Computer Systems	ECE3091 Engineering Design	ECSE Elective	Biomedical Eng Unit
						ECSE Elective			ECSE Elective
Biomedical Science Unit	Biomedical Science Unit	Biomedical Science Unit	ECE2072 Digital Systems	ECE3093 Optimisation Estimation & Numerical Methods	Biomedical Science Unit	Biomedical Science Unit	Biomedical Eng Unit	ECE4099 Professional Practice	Biomedical Science Unit
Biomedical Science Unit	Biomedical Science Unit	Biomedical Science Unit	ENG2092 Adv Engineering Maths B	Biomedical Science Unit	Biomedical Science Unit	Biomedical Science Unit	Biomedical Science Unit	Biomedical Science Unit	Biomedical Science Unit

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## BACHELOR OF COMPUTER SYSTEMS ENGINEERING (Hons)

LEVEL 1		LEVEL 2		LEVEL 3		LEVEL 4	
Semester 1	Semester 2	Semester 1	Semester 2	Semester 1	Semester 2	Semester 1	Semester 2
FIT1029 Algorithmic Problem Solving	FIT1008 Introduction to Computer Science	ECE2011 Signal Processing	ECE2021 Electro-magnetism	ECE3022 Wireless & Guided EM	ECE3062 Elec. Systems & Control	ECE4094 and ECE4095 Major Design Project	
ECE2071 Computer Organisation and Programming	ECE2072 Digital Systems	ECE2041 Tele-communications	ECE2031 Circuits & Control	ECSE Elective	ECE3091 Engineering Design	ECSE Elective	ECSE Elective
ENG1090 Foundation Maths (if no VCE Spec Maths) or ENG1091 Mathematics for Engineers	ENG1091 Mathematics for Engineers if (ENG1090 required in Sem. 1) or Approved Elective	ECE2061 Analogue Electronics	ENG2092 Advanced Engineering Maths B	BCSE Elective	BCSE Elective	ECE4099 Professional Practice	ECE4074 Adv. Comp. Architecture or ECE5881 Real Time Systems Design
ENG1060 Computing for Engineers	ENG1002 Cleaner, safer, smarter	ECE3073 Computer Systems	Approved Elective	Approved Elective	BCSE Elective	BCSE Elective	Approved Elective

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