

Programme Name	Certificate IV in Electronics Engineering
Programme Description	<p>The Certificate IV in Electronics Engineering programme is offered in 4 quarters. Each quarter comprises of 8 weeks. Each quarter consist of 6 courses. Each course consists of 5 credit point. The main purpose of this programme is to prepare students for employment in Certificate IV level occupations specializing in trade level electronics engineering work in electronics and allied engineering industries. The programme is directed towards occupations with typical job titles such as Electronics trade's person.</p> <p>The general characteristics of the programme are as outlined in <i>The University Academic & Student Regulation of the Fiji National University</i> and, more specifically, the programme aims to provide a broad based, initial vocational programme for the technical workforce, specializing in Electronics Engineering technology.</p>
Majors	Electronics Engineering
Minimum Requirements	<p>A Pass in Year 12 OR Completion of at least two years relevant industrial experience (RPL) for mature age applicants who are at least 21 years of age and over and who, on the basis of maturity and work experience are considered likely to be able to succeed.</p>
Duration	About 2 years (8 months face to face delivery and 12 months' industrial attachment)
Programme Type	Certificate
College Name	College of Engineering, Science and Technology
Campus	Derrick Campus, Samabula Ba Campus (Stages 1 & 2) (Stages 3 & 4 transfer to Derrick Campus) Labasa Campus (Stages 1 & 2) (Stages 3 & 4 transfer to Derrick Campus)
Credit Points	120 Credit Points plus 60 credits for internship/industrial attachment

Programme Structure			
Course Code	Course Title	Pre-requisite	Credit Points
	Stage 1		
EEC301	Mathematics for Trade	MER	5
EEC302	Electrical Principles I	MER	5
EEC303	Workshop Practice I	MER	5
ETH301	Introduction to Ethical Practices	MER	5
EEC305	Electrical Measurement & Component	MER	5
COM303	Introduction to Communication Literacy	MER	5
	Total credits		30
	Stage 2		5
EEC306	Electrical Principles II	EEC302	5
EEC307	Workshop Practice II	EEC303	5
EEC308	Analogue Electronics I	EEC305	5
EEC362	Electronic Communication System I	EEC302, EEC305	5
EEC309	Digital Electronics I	EEC301, EEC302	5
OHS301	Occupational Health and Safety	MER	5
	Total credits		30
	Stage 3		
EEC401	Electrical Principles III	EEC306	5
EEC402	Workshop Practice III	EEC307	5
EEC403	Digital Electronics II	EEC309	5
EEC404	Analogue Electronics II	EEC308	5
EEC460	Electronics Communication Systems II	EEC362	5
EEC360	Network Fundamentals	EEC309	5
	Total credits		30
	Stage 4		
EEC405	Electronics Project	Pass all course in Quarter 1 - 3	5
EEC463	Computer and Data Communication	EEC460, EEC360	5
EEC462	Radio Receivers and Transmitters	EEC460	5
EEC426	Programmable Logic Controller	EEC403	5
	Elective-1		5

Elective Units (Choose one only)			
EEC461	Television Systems	EEC460	5
EEC421	Electronic Instrumentation	EEC403 EEC404	5
EEC469	Audio Systems Technology	EEC460	5
EEC464	Introduction to Structured Cabling	EEC460,EEC404	5
EEC465	Introduction to Radio Interference, Analysis and Resolutions	EEC460	5
EEC441	Introduction to Microcontroller Applications	EEC404	5
EEC405	Electronics Project	Pass all course in Quarter 1 - 3	5
	Total credits		30
IAA60	Industrial Attachment		60
		Total Credit Points (4 Quarters)	120
		Total Credits	180