

Programme Name	Certificate IV in Broadcasting Engineering
Programme Description	<p>The Certificate IV in Broadcasting 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 broadcasting engineering work in radio broadcast technology industries. The programme is directed towards occupations with typical job titles such as broadcast 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 Biomedical Engineering technology.</p>
Majors	Broadcasting Engineering
Minimum Requirements	<p>A Pass in Year 12</p> <p style="text-align: center;">OR</p> <p>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	<p>Derrick Campus, Samabula</p> <p>Ba Campus (Stages 1 & 2) (Stages 3 & 4 transfer to Derrick Campus)</p> <p>Labasa Campus (Stages 1 & 2) (Stages 3 & 4 transfer to Derrick Campus)</p>
Credit Points	120 Credit Points plus 60 for internship/industrial attachment

Programme Structure		
Course Code	Course Title	Credit Points
	Year 1 Quarter 1 – Stage 1	
EEC301	Electrical Calculations I	5
EEC302	Electrical Principles I	5
EEC303	Workshop Practice I	5
ETH301	Introduction to Ethical Practices	5
EEC305	Electrical Measurement & Component	5
COM303	Introduction to Communication Literacy	5
	Total credits	30
	Year 1 Quarter 2 – Internship	
	Year 1 Quarter 3 – Stage 2	5
EEC306	Electrical Principles II	5
EEC307	Workshop Practice II	5
EEC308	Analogue Electronics I	5
EEC362	Electronic Communication System I	5
EEC309	Digital Electronics I	5
OHS301	Occupational Health & Safety	5
	Total credits	30
	Year 1 Quarter 4 – Internship	
	Year 2 Quarter 1 – Stage 3	
EEC401	Electrical Principles III	5
EEC402	Workshop Practice III	5
EEC403	Digital Electronics II	5
EEC404	Analogue Electronics II	5
EEC460	Electronics Communication Systems II	5
EEC498	Network Fundamentals	5
	Total credits	30
	Year 2 Quarter 2 – Internship	
	Year 2 Quarter 3 – Stage 4	
EEC440	Broadcast Engineering Fundamentals	5
EEC441	Broadcast Studios, Master Control Rooms and AV equipment.	5
EEC442	First Aid & Tower Safety	5
EEC443	Broadcast Chain & Auxiliary Services.	5
EEC444	Digital Broadcasting Systems & Networking	5
EEC445	Transmitters, and FM & AM Antenna systems - Exams	5

	Total credits	30
	Year 2 Quarter 4 – Internship	
Total Credit Points		120
IAA600	Internship/Industrial Attachment (12 months)	60
Total credits		180

Course Prerequisite

Course Code	Course Title	Prerequisite
EEC301	Electrical Calculations I	MER
EEC302	Electrical Principles I	MER
EEC303	Workshop Practice I	MER
ETH301	Introduction to Ethical Practices	MER
EEC305	Electrical Measurement & Component	MER
COM303	Introduction to Communication Literacy	MER
EEC306	Electrical Principles II	EEC302
EEC307	Workshop Practice II	EEC303
EEC308	Analogue Electronics I	EEC305
EEC362	Electronic Communication System I	EEC302 EEC305
EEC309	Digital Electronics I	EEC301 EEC302
OHS301	Occupational Health & Safety	MER
EEC401	Electrical Principles III	EEC306, EEC309, EEC362
EEC402	Workshop Practice III	EEC303, EEC306
EEC403	Digital Electronics II	EEC362, EEC308, EEC309
EEC404	Analogue Electronics II	EEC362, EEC308, EEC309
EEC460	Electronics Communication Systems II	EEC362, EEC308, EEC309
EEC498	Network Fundamentals	EEC309, EEC362
EEC440	Broadcast Engineering Fundamentals	All units in stage 1 - 3
EEC441	Broadcast Studios, Master Control Rooms and AV equipment.	All units in stage 1 - 3
EEC442	First Aid & Tower Safety	All units in stage 1 - 3
EEC443	Broadcast Chain & Auxiliary Services.	All units in stage 1 – 3
EEC444	Digital Broadcasting Systems & Networking	All units in stage 1 – 3
EEC445	Transmitters, and FM & AM Antenna systems - Exams	All units in stage 1 – 3