

<b>Programme Name</b>	<b>Certificate IV in Biomedical Engineering</b>
<b>Programme Description</b>	<p>The Certificate IV in Biomedical Engineering programme is offered in 4 quarters.</p> <p>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 biomedical engineering work in hospitals or biomedical engineering technology industries. The programme is directed towards occupations with typical job titles such as Biomedical trade's person.</p> <p>The general characteristics of the programme are as outlined in <i>The University Academic &amp; 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>
<b>Majors</b>	Biomedical Engineering
<b>Minimum Requirements</b>	Pass in Year 12 with 200 out of 400 marks with 50% or more marks in English OR Preliminary Science with GPA of 2.00 or more.
<b>Duration</b>	<b>About 2 years (8 months face to face delivery and 12 months industrial attachment)</b>
<b>Programme Type</b>	<b>Certificate</b>
<b>College Name</b>	<b>College of Engineering, Science and Technology</b>
<b>Campus</b>	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)
<b>Credit Points</b>	<b>120 Credit Points plus 60 for internship</b>

<b>Programme Structure</b>			
<b>STAGE 1 (QUARTER 1)</b>			
<b>Course Code</b>	<b>Course Name</b>	<b>Pre- requisite</b>	<b>Credit Points</b>
EEC301	Mathematics for Trade	MER	5
EEC302	Electrical Principles I	MER	5
EEC303	Workshop Practice I	MER	5
EEC305	Electrical Measurement & Component	MER	5
ETH301	Introduction to Ethical Practices	MER	5
COM303	Introduction to Communication Literacy	MER	5
<b>TOTAL PER QUARTER-1</b>			<b>30</b>
<b>STAGE 2 (QUARTER 2)</b>			
<b>Course Code</b>	<b>Course Name</b>	<b>Pre- requisite</b>	<b>Credit Points</b>
EEC306	Electrical Principles II	EEC302	5
EEC307	Workshop Practice II	EEC303	5
EEC308	Analogue Electronics I	EEC305	5
EEC309	Digital Electronics I	EEC301 EEC302	5
EEC362	Electronic Communication System I	EEC302 EEC305	5
OHS301	Occupational Health and Safety	MER	5
<b>TOTAL PER QUARTER-2</b>			<b>30</b>
<b>STAGE 3 (QUARTER 3)</b>			
<b>Course Code</b>	<b>Course Name</b>	<b>Pre- requisite</b>	<b>Credit Points</b>
ACR498	Refrigeration Principles	EEC302	5
BMT442	Introduction to Human Biology & Infection Control	MER	5
EEC498	Network Fundamentals	EEC309	5
EEC447	Microcontroller Applications	EEC309	5
EEC451	Introduction to Mechatronics	EEC308 EEC309	5
PME442	Hydraulics & Pneumatics 1 (E)	EEC307	5
<b>TOTAL PER QUARTER-3</b>			<b>30</b>

<b>STAGE 4 (QUARTER 4)</b>			
<b>Course Code</b>	<b>Course Name</b>	<b>Pre- requisite</b>	<b>Credit Points</b>
EEC471	Electronic Biomedical Materials and Device	BMT442	5
BMT474	Medical Imaging Processing	BMT442	5
EEC426	Programmable Logic Controller	EEC447	5
EEC492	Electronic Biomedical Instrumentation	EEC447 BMT442	5
EEC466	Introduction to Bioinformatics	BMT442 EEC498	5
EEC491	Biomedical Engineering Project	ALL UNITS FROM STAGE 3	5
		<b>TOTAL PER QUARTER - 4</b>	<b>30</b>
<b>Industrial Attachment (IA): 1 year of IA is compulsory to graduate</b>			