Programme Name	Diploma in Engineering (Electrical)
Programme Description	The programme of Diploma in Engineering (Electrical) prepare students f o r employment in middle level/para-professional engineering occupations specializing in electrical technology. Middle level para-professional occupations involve installation, trouble shooting and designing as an engineering associate on the upper end or technician towards the lower end of the profession. The programme is directed towards occupations with typical job titles such as technical officer, technician engineer, senior technician engineering associate etc. The content and the delivery of the Diploma in Engineering (Electrical) emphasize the practical application of scientific and mathematical principles and avoid an inappropriate level of abstraction.
Majors	Electrical Engineering
Minimum Requirements	Pass in Year 12 with 200 out of 400 marks with 50% minimum marks in English, Mathematics, Physics/ Technical Drawing/Applied Technology /Chemistry, and 1 other science or Technology subject or Completion of Certificate IV programme
Duration	5 Semesters face to face delivery & 6 months industrial attachment
Programme Type	Diploma
College Name	College of Engineering, Science and Technology
Campus	Derrick Campus, Samabula
Credit Points	300 Credit Points

Programme Structure		
Course Code	**Course Title**	**Credit Points**
	Year 1 Semester 1	
EED500	Engineering Science	12
CSD410	Introduction to Computer Programming	12
MED518	Engineering Graphics	12
MTH410	Engineering Mathematics I	12
COM402	Technical Communication for Engineers	12
	Year 1 Semester 2	
EED400	Electrical Principles	12
EED501	Circuit Analysis	12
MED523	Engineering Workshop Practice	12
EED510	Electrical Machines	12
MTH519	Engineering Mathematics II	12

	Year 2 Semester 1	
EED503	Analog and Digital Electronics	12
EED511	Electrical Design and Power Utilization	12
EED512	Electrical Power Network and Theorem	12
EED550	Programmable Logic Controllers	12
EED540	Computer System	12
	Year 2 Semester 2	
MTH619	Engineering Mathematics III	12
EED514	Electrical Power Transmission and Distribution	12
EED515	Electrical Power Generation	12
PED600	Renewable Energy Technology and Sustainability	12
EED516	Power Engineering and Control	12
	Year 3 Semester 1	
EED600	Engineering Electromagnetics	12
EED601	Electrical Engineering Modelling	12
EED650	Supervisory Control and Data Acquisition	12
PED601	Engineering Project Management	12
PED602	Engineering Capstone Project	12
	Year 3 Semester 2	
	Industry Training	
	Total Credit Points	**300**

Course Prerequisite		
Course Code	**Course Title**	**Prerequisite**
EED400	Electrical Principles	MER
MTH410	Engineering Mathematics I	MER
CSD410	Introduction to Computer Programming	MER
COM402	Technical Communication for Engineers	MER
MED518	Engineering Graphics	MER
EED500	Engineering Science	MER
EED501	Circuit Analysis	Pass in EED400 or MTH410
MTH519	Engineering Mathematics II	Pass in MTH410
EED503	Analog and Digital Electronics	Pass in EED501 or MTH519
EED511	Electrical Design and Power Utilization	Pass in EED500 or EED501
EED512	Electrical Power Network and Theorem	Pass in EED501 or MTH519
EED540	Computer System	Pass in EED501 or MTH519
EED550	Programmable Logic Controllers	Pass in MTH519
EED514	Electrical Power Transmission and Distribution	Pass in EED511 or EED512
EED516	Power Engineering and Control	Pass in EED503
EED600	Engineering Electromagnetics	Pass in EED500
EED601	Electrical Engineering Modelling	Pass in EED540 and EED665
EED650	Supervisory Control and Data Acquisition	Pass in EED540, EED503 and EED665
PED602	Engineering Capstone Project	EED512, EED514, EED515, EED510, EED523, EED550.
PED601	Engineering Project Management	EED512, EED514, EED515, EED510, EED523, EED550.
MTH619	Engineering Mathematics III	Pass in MTH519