

St Clements University Certificate/ Diploma / Advanced Diploma in Electrical Engineering

Course + Credit Outlines

YEAR 1 Certificate in Electrical Engineering 15 credits

	<u>SEMESTER (1)</u>	<u>Credits</u>
EE101	DC Circuit Problems	1
EE102	Basic Electrical Fitting & Wiring	1
EE103	Basic Electrical Drafting	1
EE104	Electrical Equipments Safety Protection	2
EE105	Electrical Installation Design	1
EE106	Advanced Electrical Wiring	1
EE107	Electrical Equipments	1
EE108	Electrical Fault Finding	1
EE109	Electrical Control Circuits	1
EE110	Computer Applications	1
EE111	Electromagnetism & Basic Electrical Machines	2
EE112	Alternating Current Principle	2
		15 Credits
	Diploma in Electrical Engineering 30 credits	<u>Credits</u>
	<u>SEMESTER (2)</u>	
EE113	Electrical Fundamental	2
EE114	Electrical Power Principle	1
EE115	Basic Analogue & Digital Electronics	2
EE116	Process Control System	3
EE117	Solar Electrical System	1
EE118	Electrical Energy Supply System	3
EE119	Electrical Risk Assessment	1
EE120	Electrical Contracting & Specification	1
EE121	Electronics Power Control Device	1
		30 Credits

	Advanced Diploma in Electrical Engineering 60 credits	<u>Credits</u>
	<u>SEMESTER (1)</u>	
EE201	Engineering Mathematics	1
EE202	Electrical Circuits	1
EE203	Three Phase Power Circuits	1
EE204	Engineering Physics	1
EE205	Electrical Power System	2
EE206	AC Machines	2
EE207	DC Machine	1
EE208	Operational Amplifiers	2
EE209	Analogue Electronics	1

	<u>SEMESTER (2)</u>	
EE301	Advanced Electrical Drafting	1
EE302	Advanced Engineering Mathematics	2
EE303	Transmission Line	2
EE304	Power System Protection	2
EE305	Power Transformer	2
EE306	Electro-mechanical Control	2
EE307	Energy Efficient Building Design	2
EE308	Sustainability	1
EE309	Project Management	2
EE310	Engineering Officer Competency Report	2
		30 Credits