

Curriculum: Electrical Engineering (EE) Field

Subject Code	Subject Name	Category ^{\$}	GPA Credits	NGPA Credits	Total Contact hours (or Weeks)
Certificate Level (CL) – Stage I					
<i>Semester 1</i>					
MA1001	Engineering Mathematics I	CC	4		60
HM1001	Language Skills Development	CC		4	60
EE1001	Basic Electrical Engineering	CC	4		60
ET1001	Introduction to ICT	CC	4		60
ME1001	Mechanics and Properties of Materials	CC	4		60
ME1002	Engineering Mechanics	CC	4		60
Total Credits for CL Stage I			20	4	
Certificate Level – Stage II					
<i>Semester 2</i>					
MA1002	Engineering Mathematics II	CC	4		60
EE1002	Electrical Measurements and Instrumentation	FC	4		60
ME1003	Presentation of Engineering Information	CC	3		45
ME1004	Engineering in Context	CC	3		45
ME1005	Thermodynamics and Fluid Mechanics	CC	4		60
ME1006	Manufacturing Processes	FC	4		60
Total credits for CL stage II			22	4	
Total Credits for Certificate Level			42		
Advanced Diploma Level (ADL) – Stage I					
<i>Semester 3</i>					
MA2001	Engineering Mathematics III	CC	4		60
EE2001	Power Systems I	FC	4		60
EE2002	Electrical Machines I	FC	4		60
ET2001	Electronics I	FC	4		60
ET2002	Signals and Systems	FC	2		30
ET2003	Computer Networks	FC	2		30
Total Credits for Semester 3			20		
Advanced Diploma Level – Stage I					
<i>Semester 4</i>					
MN2001	Management I	CC	4		60
ET2004	Electronics II	FC	4		60
ET2005	Communications Engineering I	FC	4		60
EE2080	Industrial Training I	FC		3	(12 wks)
Total Credits for Semester 4			12	3	
Advanced Diploma Level – Stage II					
<i>Semester 5</i>					
MN3001	Management II	CC	4		60
HM3001	Humanities and Social Science	CC	4		60
EE3001	Control Systems I	FC	2		30
EE3002	Electrical Installations	FC	4		60

EE3090	Project I – Individual or Group	FC	4		(4 wks)
Total Credits for Semester 5			18		
Advanced Diploma Level – Stage II					
<i>Semester 6</i>					
EE3003	Control Systems II	FC	2		30
EE3004	Power Systems II	FC	4		60
EE3005	Advanced Measurements	FC	4		60
ET3002	Electromagnetics	FC	2		30
ET3004	Digital Signal Processing I	FC	2		30
ET3080	Industrial Training II	FC		3	(12 wks)
Total Credits for Semester 6			14	3	
Total credits for ADL			64	6	
Graduate Diploma Level (GDL)					
<i>Semester 7</i>					
EE4001	Electrical Machines II	FC	4		60
EE4002	Power Electronics	FC	4		60
ET4090	Project II	FC	#		#
Select 4 to 6 Credits* from the following:-					
ET4001	Embedded Systems	FE	4		60
ET4003	Robotics	FE	2		30
EE4005	Power Station Practice	FE	2		30
Graduate Diploma Level					
<i>Semester 8</i>					
MN4001	Management III	FC	4		60
EE4003	High Voltage Engineering	FC	4		60
EE4090	Project II	FC	8		(8 wks)
Select 4 to 6 Credits* from the following:-					
EE4004	Energy Systems	FE	4		60
ET4007	Industrial Automation	FE	2		30
Total Number of Credits for GDL					
			34		

\$ Note: Module Categories: CC – Common Compulsory, FC – Field Compulsory and FE – Field Elective

Note: Project II is carried out for 2 Semesters (Semesters 7 and 8).

Students are continuously assessed. Final assessment is at the end of Semester 8.

* Note: It is required to complete a total of 10 Credits out of the basket of Field Elective (FE) modules.