

## Curriculum: Electronic and Telecommunication Engineering (ET) Field

Subject Code	Subject Name	Category <sup>§</sup>	GPA Credits	NGPA Credits	Total Contact hours (or Weeks)
<b>Certificate Level (CL) – Stage I</b>					
<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
<b>Total Certificate for CL Stage I</b>			<b>20</b>	<b>4</b>	
<b>Certificate Level – Stage II</b>					
<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
<b>Total credits for CL stage II</b>			<b>22</b>		
<b>Total Credits for Certificate Level</b>			<b>42</b>	<b>4</b>	
<b>Advanced Diploma Level (ADL) – Stage I</b>					
<i>Semester 3</i>					
MA2001	Engineering Mathematics III	CC	4		60
EE2050	Power Systems and Machines	FC	4		60
ET2001	Electronics I	FC	4		60
ET2002	Signals and Systems	FC	2		30
ET2003	Computer Networks	FC	2		30
<b>Total Credits for Semester 3</b>			<b>16</b>		
<b>Advanced Diploma Level – Stage I</b>					
<i>Semester 4</i>					
MN2001	Management I	CC	4		60
ET2004	Electronics II	FC	4		60
ET2005	Communications Engineering I	FC	4		60
ET2006	Data Structures and Algorithms	FC	4		60
ET2080	Industrial Training I	FC		3	(12 wks)
<b>Total Credits for Semester 4</b>			<b>16</b>	<b>3</b>	
<b>Advanced Diploma Level – Stage II</b>					
<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	FE	4		60

ET3001	Digital System Design	FC	2		30
ET3090	Project I – Individual or Group	FC	4		(4 wks)
<b>Total Credits for Semester 5</b>			24		
<b>Advanced Diploma Level – Stage II</b>					
<i>Semester 6</i>					
ET3002	Electromagnetics	FC	2		30
ET3003	Communication Systems	FC	4		60
ET3004	Digital Signal Processing I	FC	2		30
ET3005	Digital Signal Processing II	FC	2		30
ET3006	Operating Systems	FC	2		30
ET3080	Industrial Training II	FC		3	(12 wks)
<b>Total Credits for Semester 6</b>			12	3	
<b>Total credits for ADL</b>			<b>64</b>	<b>6</b>	
<b>Graduate Diploma Level (GDL)</b>					
<i>Semester 7</i>					
MN4001	Management III	CC	4		60
ET4001	Embedded Systems	FC	4		60
ET4002	Communications Engineering II	FC	4		60
ET4090	Project II	FC	#		#
<b>Select 4 to 8 Credits* from the following:-</b>					
EE4004	Power Electronics	FE	4		60
ET4003	Robotics	FE	2		30
ET4004	Antennas and Propagation	FE	2		30
ET4009	Microwave Engineering	FE	2		30
<b>Graduate Diploma Level</b>					
<i>Semester 8</i>					
ET4005	Computer Architecture	CC	4		60
ET4090	Project II	FC	8		(8 wks)
<b>Select 2 to 6 Credits* from the following:-</b>					
ET4006	Optical Communications	FE	2		30
ET4007	Industrial Automation	FE	2		30
ET4008	Software Engineering	FE	2		30
<b>Total Number of Credits for GDL</b>			<b>34</b>		

\$ 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.