

TELECOMMUNICATION COURSES

Level 100 (First Semester)

Course Code	Course Title	Hrs/sem	Credit Units	Remarks
CHM1230	Inorganic Chemistry	30	2	Core
CHM1241	Organic Chemistry	30	2	“
CSC1201	Intro. To Computer Science	30	2	“
GSP1201	Use of English	30	2	“
MTH1301	Elementary Mathematics. I	45	3	“
PHY1170	Physics Practical I	45	1	“
PHY1210	Mechanics	30	2	“
PHY1220	Elect. & Magnetism	30	2	“
STA1311	Probability I	45	3	“
	TOTAL	315	19	

Level 100 (Second Semester)

Course Code	Course Title	Hrs/sem	Credit Units	Remarks
CHM1261	Chemistry Practical	90	2	“
CHM1251	Physical Chemistry	30	2	“
GSP1202	Use of Library, Study Skills and ICT Skills	30	2	“
MTH1302	Elementary Mathematics. II	45	3	“
MTH1303	Elementary Mathematics. III	45	3	“
PHY1180	Physics Practical II	45	1	“
PHY1230	Behaviour of Matter	30	2	“
	TOTAL	315	15	

Level 200 (First Semester)

Course Code	Course Title	Hrs/sem	Credit Units	Status/Pre-requisite Course(s)
EGR2207	Principles of Electrical Engineering I	30	2	PHY1220
GSP2204	Foundation of Nigerian Culture, Government & Economy	30	2	Cognate
GSP2206	Peace and Conflict Resolution	30	2	“
GSP2201*	Use of English (DE students only)	30	2	Core
EGR2205	Thermodynamics I	30	2	“
EGR2206	Material Science I	30	2	“
EGR2306	Applied Mechanics	45	3	“
EGR2204	Workshop Practice	90	2	“
EGR2304	Laboratory A	135	3	“
EGR2301	Engineering Mathematics I	45	3	MTH1301
TOTAL			21 (or 23)	

*GSP2201 is to be registered only by the DE students making their total credit units 23

Level 200 (Second Semester)

Course Code	Course Title	Hrs/sem	Credit Units	Status/Pre-requisite Course(s)
EGR2208	Principles of Electrical Engineering II	30	2	PHY1220
GSP 2205	Logic and Philosophy	30	2	Cognate
GSP2202*	Use of Library, Study Skills and CIT (DE students only)	30	2	Core
EGR2103	Experimental Methods & Analysis	15	1	“

EGR2101	Engineer in Society I	15	1	“
EGR2102	SWEP	45	1	“
EGR2201	Fluid Mechanics I	30	2	PHY1220
EGR2202	Solid Mechanics I	30	2	Core
EGR2203	Engineering Drawing I	60	2	“
EGR2313	Computer programming	45	1	“
EGR2302	Engineering Mathematics II	45	3	MTH1302
EGR2305	Laboratory B	135	3	Core
	TOTAL		22 (or 24)	

*GSP2202 is to be registered only by the DE students making their total credit units 24

Level 300 (First Semester)

Course Code	Course Title	Hrs/sem	Credit Units	Status/Pre-requisite Course(s)
EGR3101	Engineer in Society II	15	1	Core
EGR3301	Engineering Mathematics III	45	3	EGR2301
ELE3201	Control Engineering I	30	2	Core
ELE3303	Circuit Theory I	45	3	“
ELE3305	Electronics Engineering I	45	3	“
ELE3307	Electric Machines I	45	3	EGR2208
ELE3309	Laboratory/Projects	135	3	Core
ELE3301	Engineering Electromagnetic I	45	3	EGR2207
MEC3200	Thermodynamics	30	2	Core
	TOTAL		23	

Level 300 (Second Semester)

Course Code	Course Title	Hrs/sem	Credit Units	Status/Pre-requisite Course(s)
ELE3304	Circuit Theory II	45	3	Core
ELE3306	Computer Engineering I	45	3	“
ELE3202	Power Engineering I	30	2	EGR2208
ELE3310	Laboratory/Project II	135	3	Core
ELE3302	Engineering Electromagnetics II	45	3	ELE3301
ELE3308	Measurements & Instrumentation	45	3	Core
EGR3302	Computational Techniques	30	2	EGR2302
EGR3102	Technical Writing And Presentation	15	1	Core
EGR3311	Computer Applications	45	3	CSC1201
EEP3201	Entrepreneurship and Innovation	30	2	Cognate
EGR3203	SIWES I	3 months	2	Core
TOTAL			28	

Level 400 (First Semester)

S.N	Course Code	Course Title	Credits
1.	ELE4204	Computer Engineering II	2
2.	ELE4301	Telecommunication Engineering I	2
3.	ELE4303	Electronic Engineering II	3
4.	ELE4304	Laboratory/Projects III	3
5.	EGR4101	Engineer in Society III	3
6.	EGR4201	Engineering Statistics	1

7	ECE4201	Data Communications and Networking	2
8.	ECE4202	Digital Electronics	2
9.	CEE4201	Optical communication	2
10.	CEE4301	Signal and System	3
11	CEE4101	Antenna Propagation Principle	1
12	EEP4201	Business Creation and Growth	2
Total Number of Credits =			26

Level 400 (Second Semester)

EGR4401	SIWES II	4 Credits	Long Vacation
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List of Level 500 Courses

Level 500 Core Courses

S.N	Course Code	Course Title	Credits
1.	ELE5200	Computer Laboratory	2
2.	ELE5203	Reliability & Maintainability of Electronic & Electrical Systems	2
3.	ELE5204	Advanced Circuit Techniques	2
4.	ELE5206	Telecommunication Engineering II	2
5.	ELE5208	Electronic Engineering III	2
6.	ELE5220	Digital Signal processing	2
7.	ECE5204	Solid State Electronic	2
8	ECE5205	Systems Programming Using C	2
9.	ELE5601	Project	6
10	CEE5201	Mobile Communication	2

11.	CEE5202	Probability and Random process	2
12.	CEE5203	Microwave Engineering	2
13.	CEE5204	Digital Communication System	2
14.	CEE5205	Image and Data Processing	2
15.	CEE5206	Communication and Network Engineering	2
16.	CEE5207	Wireless Communication Engineering	2
17.	CEE5208	Photonics and Fiber optical systems	2
18.	CEE5209	Multimedia System Engineering	2
Total Number of Credits			40

Plus three electives from the following options:

List of level V elective courses

S.N	Course Code	Course Title	Credits
1.	CEE5210	GSM Security principles	2
2.	CEE5211	Television Engineering	2
3.	ELE5217	Communication System	2
4.	ELE5201	Computer System and Software Engineering	2
5.	ELE5209	Computer Engineering III	2

NOTE: Not all electives are offered in a given session, it depends on the availability of the course lecturer.