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## View Course Structure

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Course structure for B.Eng. Electrical and Electronics Engineering:- for 100 Level In Alpha Semester

Course	L			Graduation		
Code	Title	Unit	Type	Requirement	Prerequisite	homeprogram
CHM111	Company Dhymiael Chamaistmy					Industrial
CHIVITI	General Physical Chemistry	3 C 1 C 0 C 1 C 3 C			Chemistry	
CHM119	General Chemistry Practical I	1				Industrial
CHIVITIS	General Chemistry Fractical I	ı				Chemistry
CIT111	Microsoft Office Specialist on	0				Computer
CITTI	Microsoft Office 2013 in WORD					Science
GEC117	Technical Drawing I	1				Mechanical
GLOTIT	recillical brawing i	'				Engineering
MAT111	Algebra	3				Industrial
IVIATTI	Algebia					Mathematics
MAT112	Trigonometry and Analytical	3				Industrial
IVIATTIZ	Geometry					Mathematics
PHY111	Mechanics and Properties of Matter	3	С			Industrial Physics
PHY112	Heat, Sound and Optics	3	С			Industrial Physics
PHY119	Physics Practical I	1	С			Industrial Physics
	Compulsory TOTAL	18		18		
	Use of Library, Study Skills and					Computer
CST111	Information Communication	2	U			Science
	Technology I					Ocience
GST111	Communication in English I	2	U			English
	NUC TOTAL	4		4		
EDS111	Entrepreneurial Development	1	V			Business
	Studies I	'				Administration
TMC111	Total Man Concept I	1	V			ALDC
TMC112	Total Man Concept - Sports I	0	V			ALDC
	University TOTAL	2		2		
	GRAND TOTAL	24		24		

Course structure for B.Eng. Electrical and Electronics Engineering:- for 100 Level In Omega Semester

Course Code	Title	Unit	Туре	Graduation Requirement	Prerequisite	homeprogram
CHM122	General Inorganic Chemistry	2	С			Industrial
OTHVITZZ	Concrai morganio Onemistry		Ĭ.			Chemistry
CHM123	General Organic Chemistry (for	3	С			Industrial
011111120	Engineering)					Chemistry
CHM129	General Chemistry Practical II	1	С			Industrial
011111120	Control Charmony Fraction in					Chemistry
CIT121	Microsoft Office Specialist on	0	С			Computer
011121	Microsoft Office 2013 in EXCEL					Science
CIT141	COMPTIA II	0	С			Computer
011141	OOWII TIATI					Science
MAT121	Calculus	3	3 C			Industrial
IVIATIZI	Calculus					Mathematics
MAT122	Introduction to Vector Analysis	3	С		Industrial	
IVIAT 122	introduction to vector Analysis	3				Mathematics
PHY121	Electricity and Magnetism I	2	С			Industrial Physics
PHY122	Atomic and Nuclear Physics	2	С			Industrial Physics
PHY129	Physics Practical II	1	С			Industrial Physics
	Compulsory TOTAL	17		17		
	Use of Library, Study Skills and					Carrantar
CST121	Information Communication	2	U			Computer
	Technology II					Science
GST121	Communication in English II	2	U			English
GST122	Communication in French	2	U			English
	NUC TOTAL	6		6		
ED0404	Entrepreneurial Development	4	<b>\</b> ,,			Business
EDS121	Studies II	1	V			Administration
TMC121	Introduction to the Total Man Concept II	1	V			ALDC
TMC122	Total Man Concept - Sports II	0	V			ALDC
	University TOTAL	2		2		
	GRAND TOTAL	25		25		

Course structure for B.Eng. Electrical and Electronics Engineering:- for 200 Level In Alpha Semester

Course	Title	Unit	Туре	Graduation	Prerequisite	homeprogram
Code		•	.,,,,,	Requirement	. roroquiono	
GEC210	Engineering Mathematics I	3	С			Petroleum Engineering
GEC211	Introduction to Electrical	2	С			Electrical and Electronics
GEOZII	Engineering I					Engineering
GEC212	Engineering Graphics	2	С			Mechanical Engineering
GEC213	Material Science and Raw Material Studies	2	С			Mechanical Engineering
GEC214	Applied Mechanics	3	С			Mechanical Engineering
	A 11 10 1					Information and
GEC215	Applied Computer	2	С			Communication
	Programming I					Engineering
GEC216	Engineering Laboratory 1	1	С			Computer Engineering
						Information and
GEC217	Engineer-In-Society	2	С			Communication
						Engineering
GEC218	Workshop Technology	2	С			Mechanical Engineering
GEC219	Applied Mechanics	1	С			Mechanical Engineering
OLOZIO	Practical					Incondition Engineering
Coi	mpulsory TOTAL	20		20		
GST211	Logic, Philosophy and	2	U			English
001211	Human Existence					Liigiisii
	NUC TOTAL	2		2		
CIT213	Auto Desk Auto Cad Certified User	0	V			Mechanical Engineering
	Entrepreneurial					
EDS211	Development Studies III	1	V			Business Administration
TMC211	Total Man Concept III	1	V			ALDC
TM0040	Total Man Concept –		1,,			AL DO
TMC212	Sports III	0	V			ALDC
Ur	niversity TOTAL	2		2		
C	GRAND TOTAL	24		24		

Course structure for B.Eng. Electrical and Electronics Engineering:- for 200 Level In Omega Semester

Course Code	Title	Unit	Type	Graduation Requirement	Prerequisite	homeprogram
GEC220	Engineering Mathematics II	3	С			Chemical Engineering
GEC221	Thermodynamics I	3	С			Chemical Engineering
GEC222	Computer Aided Design and Manufacture	2	С			Mechanical Engineering

GEC223	Fluid Mechanics I	3	С		Mechanical Engineering
GEC224	Strength of Materials	3	С		Civil Engineering
	Applied Computer				Information and
GEC225	Programming II	1	С		Communication
	Programming in				Engineering
					Information and
GEC226	Engineering Laboratory II	1	С		Communication
					Engineering
GEC228	Introduction to Electrical	2	С		Electrical and Electronics
OLO220	Engineering II				Engineering
Co	ompulsory TOTAL	18		18	
GEC229	Student Work Experience	0	s		Electrical and Electronics
OLO223	Programme (SWEP)				Engineering
	SIWES TOTAL	0			
GST221	Nigerian People and	2	U		Sociology
	Culture				37
GST222	Peace and Conflict Studies	2	U		Political Science
	NUC TOTAL	4		4	
CIT222	Auto desk Certified	0	V		Computer Science
011222	Professional AutoCAD 2017		Ľ		Computer Colonics
CIT242	Introduction to networking	0	V		Computer Science
EDS221	Entrepreneurial	1	V		Business Administration
LBOZZI	Development Studies IV	'	Ů		Business / turninstration
TMC221	Total Man Concept IV	1	V		ALDC
TMC222	Total Man Concept - Sports	0	V		ALDC
U	niversity TOTAL	2		2	
	GRAND TOTAL	24		24	

Course structure for B.Eng. Electrical and Electronics Engineering:- for 300 Level In Alpha Semester

Course Code	Title	Unit	Type	Graduation Requirement	Prerequisite	homeprogram
EIE311	Electromagnetic Fields &	3	С			Electrical and
LILOTT	Waves					Electronics Engineering
		3				Information and
EIE312	Communication Principles		С			Communication
						Engineering

	GRAND TOTAL	23		23	
ı	University TOTAL	2		2	
TMC312	Total Man Concept –Sports V	0	V		ALDC
TMC311	Total Man Concept V	1	V		ALDC
EDS311	Entrepreneurial Development Studies V	1	V		Business Administration
DLD111	Foundations of Leadership Development	0	V		ALDC
CIT314	CCNA1 Networking Basics CCNA2. Routers and Routing Basics	0	V		Computer Science
	NUC TOTAL	2		2	
GST311	History and Philosophy of Science	2	U		English
С	ompulsory TOTAL	19		19	
GEC310	Engineering Mathematics III	3	С		Information and Communication Engineering
EIE318	Laboratory Course I	2	С		Information and Communication Engineering
EIE317	Electrical Machines I Practical	1	С		Electrical and Electronics Engineering
EIE315	Electrical Machines	2	С		Electrical and Electronics Engineering
EIE314	Electric Circuit Theory	3	С		Electrical and Electronics Engineering
EIE313	Physical Electronics	2	С		Electronics Engineering
	L				Electrical and

Course structure for B.Eng. Electrical and Electronics Engineering:- for 300 Level In Omega Semester

Course Code	Title	Unit	Type	Graduation Requirement	Prerequisite	homeprogram
CIT322	Switching Basic and Intermediate Routing/ CCNA Mining and SPSS Modeller	0	С			Computer Science
EEE321	Electric Power Principles Practical	2	С			Electrical and Electronics Engineering

	GRAND TOTAL	25		25	
	University TOTAL	2		2	
TMC322	Total Man Concept - Sports VI	0	V		ALDC
TMC321	Total Man Concept VI	1	V		ALDC
LD0021	Studies VI				Administration
EDS321	Entrepreneurial Development	1	V		Business
DLD121	Leadership Pathways	0	V		ALDC
	SIWES TOTAL	0			
					Engineering
GEC329	SIWES -Industrial Training II	0	s		Electronics
					Electrical and
	Compulsory TOTAL	23		23	
	Communication				Engineering
GEC324	Technical/Engineering	2	С		Communication
	L				Information and
					Engineering
GEC321	Engineering Economics	3	С		Electronics
					Electrical and
GEC320	Numerical Methods	3	C		Engineering
	<u> </u>				Mechanical
					Engineering
EIE341	Electric Power Principles	2	C		Electronics
					Electrical and
EIE328	Laboratory Practical II	2	С		Engineering
					Computer
LILUZI	Digital Electionics				Engineering
EIE327	Digital Electronics	3	C		Information and Communication
	Techniques				Engineering
EIE326	Software Development	3	С		Computer
					Engineering
EIE323	Analogue Electronics	3	C		Electronics
EIE323					Electrical and

Course structure for B.Eng. Electrical and Electronics Engineering:- for 400 Level In Alpha Semester

Course	Title	Unit	_	Graduation	Droro guioito	homonrogram
Code	little	Unit	Type	Requirement		homeprogram

	GRAND TOTAL	25		25	
U	niversity TOTAL	2		2	
TMC412	Total Man Concept –Sports VII	0	V		ALDC
TMC411	Total Man Concept VII	1	V		ALDC
EDS411	Entrepreneurial Development Studies VII	1	V		Business Administration
	Elective TOTAL	0			
CIT413	Cyber Security specialist Application Security	0	E		Management Information System
CIT412	Implementing Cisco IP Routing	0	E		Computer Science
Co	ompulsory TOTAL	23		23	
GEC410	Engineering Statistics	3	С		Industrial Mathematics
EIE432	Electric Circuit Theory Practical	1	С		Electrical and Electronics Engineering
EIE431	Electric Circuit Theory II	2	С		Electrical and Electronics Engineering
EIE418	Data Communication and Computer Network	3	С		Information and Communication Engineering
EIE416	Electrical Measurements and Instrumentation	3	С		Electrical and Electronics Engineering
EIE413	Laboratory Practical and Mini Project	2	С		Computer Engineering
EIE412	Control Systems	3	С		Electrical and Electronics Engineering
EEE418	Electromagnetic Fields & Waves II	3	С		Electrical and Electronics Engineering
CEN416	Assembly Language Programming	3	С		Computer Engineering

Course structure for B.Eng. Electrical and Electronics Engineering:- for 400 Level In Omega Semester

Course Code	Title	Unit	Type	Graduation Requirement	Prerequisite	homeprogram
GEC421	Student Work Experience Programme (SWEP) I	6	S			Student Industrial Work Experience Scheme
GEC422	Student Work Experience Programme (SWEP) II	6	S			Student Industrial Work Experience Scheme

SIWES TOTAL  GRAND TOTAL		18 18		18 18	
GEC429	SIWES - Industrial Training III	6	S		Civil Engineering

Course structure for B.Eng. Electrical and Electronics Engineering:- for 500 Level In Alpha Semester

Course Code	Title	Unit	Type	Graduation Requirement	Prerequisite	homeprogram
EEE510	Control Engineering	3	С			Electrical and Electronics
						Engineering
EEE513	Electrical Energy	2	С			Electrical and Electronics
	Conversion& Storage					Engineering
EEE514	Electric Drives	2	С			Electrical and Electronics
						Engineering
EEE515	Use of Engineering	2	С			Computer Engineering
	Software					, , ,
EEE516	Computer application to	2	С			Electrical and Electronics
	Power Systems					Engineering
EEE517	PowerElectronics	2	С			Electrical and Electronics
						Engineering
EEE531	Electrical Power Systems	2	С			Electrical and Electronics
	Engineering					Engineering
EIE510	Research Methodology	1	С			Electrical and Electronics
						Engineering
EIE512	Systems Reliability and	2	С			Computer Engineering
	Maintainability					
GEC517	Engineering Law	2	С			Civil Engineering
Co	Compulsory TOTAL			20		
DLD211	Leadership and	0	V			ALDC
	Developmental Studies					
EDS512	Cost Engineering	2	V			Business Administration
TMC511	Total Man Concept IX	1	V			ALDC
TMC512	Total Man Concept - Sports	0	V			ALDC
U	University TOTAL			3		
	GRAND TOTAL			23		

Course structure for B.Eng. Electrical and Electronics Engineering:- for 500 Level In Omega Semester

Course	Title	Unit	Туре	Graduation	Prerequisite	homeprogram
Code				Requirement		
EEE520	Advanced Instrumentations	2	С			Electrical and Electronics
			Ĺ			Engineering
EEE525	Electrical Machines II	2	С			Electrical and Electronics
						Engineering
EIE523	Design & Installation of	3	С			Electrical and Electronics
	Electrical & ICT services					Engineering
		6	С			Information and
EIE529	Final Year Project					Communication
						Engineering
GEC527	Engineering Management	3	С			Civil Engineering
C	ompulsory TOTAL	16		16		
EEE521	High Voltage Engineering	2	Е			Electrical and Electronics
		2				Engineering
EEE523	Industrial Electronics	2	_			Electrical and Electronics
EEESZS		2	E			Engineering
EEE526	Electric Power Systems	2	Е			Electrical and Electronics
EEE320	Planning and Design					Engineering
EEE540	Artificial Intelligence and	2	Е			Electrical and Electronics
EEE540	Applications-EEE					Engineering
EEE541	Digital Signal Processing- EEE	3	Е			Electrical and Electronics
EEE541						Engineering
EEE647	Power Systems Operation and Control	2	E			Electrical and Electronics
EEE547						Engineering
EIEE04	Electromagnetic	2	Е			Electrical and Electronics
EIE521	Interference					Engineering
Elective TOTAL		15		4		
DLD221	Leadership Dynamics	0	V			ALDC
EDS522	Engineering Valuation	2	V			Business Administration
TMC521	Total Man Concept X	1	V			ALDC
TMC522	Total Man Concept X	0	V			ALDC
TTG222	Leadership Dynamics	0	V			ALDC
University TOTAL		3		3		
	GRAND TOTAL			23		
		34	1			