×

View Course Structure

Print

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

Course	Title	Unit	Туре	Graduation	Prerequisite	homeprogram
Code			-	Requirement		
CHM111	General Physical Chemistry	3	С			Industrial
	,					Chemistry
CHM119	General Chemistry Practical I	1	C			Industrial
	,					Chemistry
CIT111	Microsoft Office Specialist on	0	C			Computer
011111	Microsoft Office 2013 in WORD					Science
GEC117	Technical Drawing I	1	C			Mechanical
GLCTIT	recillical Drawing 1	'				Engineering
MAT111	Algebra	3	С			Industrial
IVIATITI	Algebra	3				Mathematics
MAT112	Trigonometry and Analytical	3 (С			Industrial
IVIAT TTZ	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					C
CST111	Information Communication	2	U			Computer
	Technology I					Science
GST111	Communication in English I	2	U			English
	NUC TOTAL	4		4		
ED0444	Entrepreneurial Development	4	.,			Business
EDS111	Studies I	1	V			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	С			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	1,,			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			71	Requirement		
GEC210	Engineering Mathematics I	3	С			Petroleum Engineering
GEC211	Introduction to Electrical	2	С			Electrical and Electronics
OLOZII	Engineering I					Engineering
GEC212	Engineering Graphics	2	С			Mechanical Engineering
GEC213	Material Science and Raw	2	C			Mechanical Engineering
0202.0	Material Studies		Ĭ.			meenamear Engineering
GEC214	Applied Mechanics	3	С			Mechanical Engineering
	Applied Computer					Information and
GEC215	Programming I	2	С			Communication
	r rogramming r					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	C			Mechanical Engineering
0202.0	Practical	· 	ļ_			meenamear Engineering
Co	mpulsory TOTAL	20		20		
GST211	Logic, Philosophy and	2	U			English
001211	Human Existence					English
	NUC TOTAL	2		2		
CIT213	Auto Desk Auto Cad	0	V			Mechanical Engineering
011210	Certified User		l v			INCONATION Engineering
EDS211	Entrepreneurial	1	V			Business Administration
LDOZII	Development Studies III	'				Business Administration
TMC211	Total Man Concept III	1	V			ALDC
TMC212	Total Man Concept –	0	V			ALDC
TIVIOZIZ	Sports III	<u> </u>	_ v			
U	niversity TOTAL	2		2		
	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	3				Electronics Engineering
						Information and
EIE312	EIE312 Communication Principles 3	c			Communication	
						Engineering

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

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
	Studies VI		_ v		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
	Tomparoory To IAL				Electrical and
	Compulsory TOTAL	23		23	
JL0324	Communication				Engineering
GEC324	Technical/Engineering	2	C		Communication
					Engineering Information and
GEC321	Engineering Economics	3	C		Electronics
CEC334	Engineering Economics	3			Electrical and
					Engineering
GEC320	Numerical Methods	3	С		Mechanical
					Engineering
EIE341	Electric Power Principles	2	С		Electronics
		_			Electrical and
					Engineering
EIE328	Laboratory Practical II	2	С		Computer
					Engineering
EIE327	Digital Electronics	3	С		Communication
					Information and
LILISZU	Techniques				Engineering
EIE326	Software Development	3	С		Computer
					Engineering
EIE323	Analogue Electronics	3	С		Electronics
					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

	Assembly Language					
CEN416		3	С			Computer Engineering
	Programming					E
EEE418	Electromagnetic Fields &	3	С			Electrical and Electronics
	Waves II					Engineering
EIE412	Control Systems	3	С			Electrical and Electronics
	,					Engineering
EIE413	Laboratory Practical and	2	С			Computer Engineering
	Mini Project					Computer Engineering
EIE416	Electrical Measurements	3	С			Electrical and Electronics
LILTIO	and Instrumentation	3				Engineering
	Data Communication and					Information and
EIE418		3	С			Communication
	Computer Network					Engineering
F1F404	Electric Circuit Theory II	0				Electrical and Electronics
EIE431		2	С			Engineering
FIE 400	Electric Circuit Theory	4				Electrical and Electronics
EIE432	Practical	1	С			Engineering
GEC410	Engineering Statistics	3	С			Industrial Mathematics
Co	ompulsory TOTAL	23		23		
OITAAO	Implementing Cisco IP					
CIT412	Routing	0	E			Computer Science
017440	Cyber Security specialist		_			Management Information
CIT413	Application Security	0	E			System
	Elective TOTAL	0				
	Entrepreneurial		Ţ, .			
EDS411	Development Studies VII	1	V			Business Administration
TMC411	Total Man Concept VII	1	V			ALDC
	Total Man Concept –Sports					
TMC412	VII	0	V			ALDC
U	Iniversity TOTAL	2		2		
	GRAND TOTAL	25		25		
			l .	1	1	I .

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
LLLSTO						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 Power Systems	2	С			Electrical and Electronics
						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
	Cystoma Daliability and					Engineering
EIE512	Systems Reliability and	2	С			Computer Engineering
GEC517	Maintainability Engineering Law	2	С			Civil Engineering
Compulsory TOTAL		20		20		Civil Engineering
	Leadership and	20		20		
DLD211	Developmental Studies	0	V			ALDC
EDS512	Cost Engineering	2	V			Business Administration
TMC511	Total Man Concept IX	1	V			ALDC
TMC512	Total Man Concept - Sports	0	V			ALDC
University TOTAL		3		3		
GRAND TOTAL		23		23		

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

Course	Title	Unit	Туре	Graduation	Prerequisito	homeprogram
Code	Title	Onic	Jypc	Requirement	rerequisite	nomeprogram
EEE520	Advanced Instrumentations	2	С			Electrical and Electronics
						Engineering
EEE525	Electrical Machines II	2	С			Electrical and Electronics
LLLJZJ	Liectrical Macrilles II					Engineering
EIE523	Design & Installation of	3	С			Electrical and Electronics
LILUZU	Electrical & ICT services					Engineering
	Final Year Project	6	С			Information and
EIE529						Communication
						Engineering
GEC527	Engineering Management	3	С			Civil Engineering
Co	ompulsory TOTAL	16		16		
EEE521	High Voltage Engineering	2	E			Electrical and Electronics
LLLJZ1						Engineering
EEE523	Industrial Electronics	2	E			Electrical and Electronics
LLLJZJ	Industrial Electronics	۷	_			Engineering
EEE526	Electric Power Systems	2	Е			Electrical and Electronics
LLLJZU	Planning and Design					Engineering
EEE540	Artificial Intelligence and	2	Е			Electrical and Electronics
LLL340	Applications-EEE					Engineering
EEE541	Digital Signal Processing- EEE	3	E			Electrical and Electronics
LLLJ41						Engineering
EEE547	Power Systems Operation and Control	2	Е			Electrical and Electronics
LLLJ47						Engineering
EIE521	Electromagnetic	2	Е			Electrical and Electronics
LILJZI	Interference					Engineering
	Elective TOTAL			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		