



## View Course Structure

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

Course Code	Title	Unit	Type	Graduation Requirement	Prerequisite	homeprogram
CHM111	General Physical Chemistry	3	C			Industrial Chemistry
CHM119	General Chemistry Practical I	1	C			Industrial Chemistry
CIT111	Microsoft Office Specialist on Microsoft Office 2013 in WORD	0	C			Computer Science
GEC117	Technical Drawing I	1	C			Mechanical Engineering
MAT111	Algebra	3	C			Industrial Mathematics
MAT112	Trigonometry and Analytical Geometry	3	C			Industrial Mathematics
PHY111	Mechanics and Properties of Matter	3	C			Industrial Physics
PHY112	Heat, Sound and Optics	3	C			Industrial Physics
PHY119	Physics Practical I	1	C			Industrial Physics
<b>Compulsory TOTAL</b>		<b>18</b>		<b>18</b>		
CST111	Use of Library, Study Skills and Information Communication Technology I	2	U			Computer Science
GST111	Communication in English I	2	U			English
<b>NUC TOTAL</b>		<b>4</b>		<b>4</b>		
EDS111	Entrepreneurial Development Studies I	1	V			Business Administration
TMC111	Total Man Concept I	1	V			ALDC
TMC112	Total Man Concept - Sports I	0	V			ALDC
<b>University TOTAL</b>		<b>2</b>		<b>2</b>		
<b>GRAND TOTAL</b>		<b>24</b>		<b>24</b>		

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

Course Code	Title	Unit	Type	Graduation Requirement	Prerequisite	homeprogram
CHM122	General Inorganic Chemistry	2	C			Industrial Chemistry
CHM123	General Organic Chemistry (for Engineering)	3	C			Industrial Chemistry
CHM129	General Chemistry Practical II	1	C			Industrial Chemistry
CIT121	Microsoft Office Specialist on Microsoft Office 2013 in EXCEL	0	C			Computer Science
CIT141	COMPTIA II	0	C			Computer Science
MAT121	Calculus	3	C			Industrial Mathematics
MAT122	Introduction to Vector Analysis	3	C			Industrial Mathematics
PHY121	Electricity and Magnetism I	2	C			Industrial Physics
PHY122	Atomic and Nuclear Physics	2	C			Industrial Physics
PHY129	Physics Practical II	1	C			Industrial Physics
<b>Compulsory TOTAL</b>		<b>17</b>		<b>17</b>		
CST121	Use of Library, Study Skills and Information Communication Technology II	2	U			Computer Science
GST121	Communication in English II	2	U			English
GST122	Communication in French	2	U			English
<b>NUC TOTAL</b>		<b>6</b>		<b>6</b>		
EDS121	Entrepreneurial Development Studies II	1	V			Business Administration
TMC121	Introduction to the Total Man Concept II	1	V			ALDC
TMC122	Total Man Concept - Sports II	0	V			ALDC
<b>University TOTAL</b>		<b>2</b>		<b>2</b>		
<b>GRAND TOTAL</b>		<b>25</b>		<b>25</b>		

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

Course Code	Title	Unit	Type	Graduation Requirement	Prerequisite	homeprogram
GEC210	Engineering Mathematics I	3	C			Petroleum Engineering
GEC211	Introduction to Electrical Engineering I	2	C			Electrical and Electronics Engineering
GEC212	Engineering Graphics	2	C			Mechanical Engineering
GEC213	Material Science and Raw Material Studies	2	C			Mechanical Engineering
GEC214	Applied Mechanics	3	C			Mechanical Engineering
GEC215	Applied Computer Programming I	2	C			Information and Communication Engineering
GEC216	Engineering Laboratory 1	1	C			Computer Engineering
GEC217	Engineer-In-Society	2	C			Information and Communication Engineering
GEC218	Workshop Technology	2	C			Mechanical Engineering
GEC219	Applied Mechanics Practical	1	C			Mechanical Engineering
<b>Compulsory TOTAL</b>		<b>20</b>		<b>20</b>		
GST211	Logic, Philosophy and Human Existence	2	U			English
<b>NUC TOTAL</b>		<b>2</b>		<b>2</b>		
CIT213	Auto Desk Auto Cad Certified User	0	V			Mechanical Engineering
EDS211	Entrepreneurial Development Studies III	1	V			Business Administration
TMC211	Total Man Concept III	1	V			ALDC
TMC212	Total Man Concept – Sports III	0	V			ALDC
<b>University TOTAL</b>		<b>2</b>		<b>2</b>		
<b>GRAND TOTAL</b>		<b>24</b>		<b>24</b>		

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	C			Chemical Engineering
GEC221	Thermodynamics I	3	C			Chemical Engineering
GEC222	Computer Aided Design and Manufacture	2	C			Mechanical Engineering

GEC223	Fluid Mechanics I	3	C			Mechanical Engineering
GEC224	Strength of Materials	3	C			Civil Engineering
GEC225	Applied Computer Programming II	1	C			Information and Communication Engineering
GEC226	Engineering Laboratory II	1	C			Information and Communication Engineering
GEC228	Introduction to Electrical Engineering II	2	C			Electrical and Electronics Engineering
<b>Compulsory TOTAL</b>		<b>18</b>		<b>18</b>		
GEC229	Student Work Experience Programme (SWEP)	0	S			Electrical and Electronics Engineering
<b>SIWES TOTAL</b>		<b>0</b>				
GST221	Nigerian People and Culture	2	U			Sociology
GST222	Peace and Conflict Studies	2	U			Political Science
<b>NUC TOTAL</b>		<b>4</b>		<b>4</b>		
CIT222	Auto desk Certified Professional AutoCAD 2017	0	V			Computer Science
CIT242	Introduction to networking	0	V			Computer Science
EDS221	Entrepreneurial Development Studies IV	1	V			Business Administration
TMC221	Total Man Concept IV	1	V			ALDC
TMC222	Total Man Concept - Sports IV	0	V			ALDC
<b>University TOTAL</b>		<b>2</b>		<b>2</b>		
<b>GRAND TOTAL</b>		<b>24</b>		<b>24</b>		

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 & Waves	3	C			Electrical and Electronics Engineering
EIE312	Communication Principles	3	C			Information and Communication Engineering

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

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	C			Computer Science
EEE321	Electric Power Principles Practical	2	C			Electrical and Electronics Engineering

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

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

Course Code	Title	Unit	Type	Graduation Requirement	Prerequisite	homeprogram
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CEN416	Assembly Language Programming	3	C			Computer Engineering
EEE418	Electromagnetic Fields & Waves II	3	C			Electrical and Electronics Engineering
EIE412	Control Systems	3	C			Electrical and Electronics Engineering
EIE413	Laboratory Practical and Mini Project	2	C			Computer Engineering
EIE416	Electrical Measurements and Instrumentation	3	C			Electrical and Electronics Engineering
EIE418	Data Communication and Computer Network	3	C			Information and Communication Engineering
EIE431	Electric Circuit Theory II	2	C			Electrical and Electronics Engineering
EIE432	Electric Circuit Theory Practical	1	C			Electrical and Electronics Engineering
GEC410	Engineering Statistics	3	C			Industrial Mathematics
<b>Compulsory TOTAL</b>		<b>23</b>		<b>23</b>		
CIT412	Implementing Cisco IP Routing	0	E			Computer Science
CIT413	Cyber Security specialist Application Security	0	E			Management Information System
<b>Elective TOTAL</b>		<b>0</b>				
EDS411	Entrepreneurial Development Studies VII	1	V			Business Administration
TMC411	Total Man Concept VII	1	V			ALDC
TMC412	Total Man Concept –Sports VII	0	V			ALDC
<b>University TOTAL</b>		<b>2</b>		<b>2</b>		
<b>GRAND TOTAL</b>		<b>25</b>		<b>25</b>		

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

GEC429	SIWES - Industrial Training III	6	S			Civil Engineering
<b>SIWES TOTAL</b>		<b>18</b>		<b>18</b>		
<b>GRAND TOTAL</b>		<b>18</b>		<b>18</b>		

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	C			Electrical and Electronics Engineering
EEE513	Electrical Energy Conversion& Storage	2	C			Electrical and Electronics Engineering
EEE514	Electric Drives	2	C			Electrical and Electronics Engineering
EEE515	Use of Engineering Software	2	C			Computer Engineering
EEE516	Computer application to Power Systems	2	C			Electrical and Electronics Engineering
EEE517	PowerElectronics	2	C			Electrical and Electronics Engineering
EEE531	Electrical Power Systems Engineering	2	C			Electrical and Electronics Engineering
EIE510	Research Methodology	1	C			Electrical and Electronics Engineering
EIE512	Systems Reliability and Maintainability	2	C			Computer Engineering
GEC517	Engineering Law	2	C			Civil Engineering
<b>Compulsory TOTAL</b>		<b>20</b>		<b>20</b>		
DLD211	Leadership and 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 IX	0	V			ALDC
<b>University TOTAL</b>		<b>3</b>		<b>3</b>		
<b>GRAND TOTAL</b>		<b>23</b>		<b>23</b>		

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



Course Code	Title	Unit	Type	Graduation Requirement	Prerequisite	homeprogram
EEE520	Advanced Instrumentations	2	C			Electrical and Electronics Engineering
EEE525	Electrical Machines II	2	C			Electrical and Electronics Engineering
EIE523	Design & Installation of Electrical & ICT services	3	C			Electrical and Electronics Engineering
EIE529	Final Year Project	6	C			Information and Communication Engineering
GEC527	Engineering Management	3	C			Civil Engineering
<b>Compulsory TOTAL</b>		<b>16</b>		<b>16</b>		
EEE521	High Voltage Engineering	2	E			Electrical and Electronics Engineering
EEE523	Industrial Electronics	2	E			Electrical and Electronics Engineering
EEE526	Electric Power Systems Planning and Design	2	E			Electrical and Electronics Engineering
EEE540	Artificial Intelligence and Applications-EEE	2	E			Electrical and Electronics Engineering
EEE541	Digital Signal Processing-EEE	3	E			Electrical and Electronics Engineering
EEE547	Power Systems Operation and Control	2	E			Electrical and Electronics Engineering
EIE521	Electromagnetic Interference	2	E			Electrical and Electronics Engineering
<b>Elective TOTAL</b>		<b>15</b>		<b>4</b>		
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
<b>University TOTAL</b>		<b>3</b>		<b>3</b>		
<b>GRAND TOTAL</b>		<b>34</b>		<b>23</b>		