



# **Electrical & Electronics Technology**

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## **Major Electrical Power**

1436H – 2014G

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### **Study Plan - Distributed on Trimesters**



1st trimester (Foundation)	No.	Course Code	Course Name	Prerequisites	No. of Units					Tvtc Equivalent
					CRH	L	P	T	CTH	
	1	YEN 101	Intensive English language -1		4	0	8	12	20	
	2	YCA 101	Computer Applications -1		2	1	2	0	3	
	3	YMA 101	General Mathematics -1		2	1	2	0	3	
	4	YPH 101	General Physics -1		2	1	2	0	3	
Total Number of Units					10	3	14	12	29	
CRH: Credit Hours    L: Lecture    P: Practical    T: Tutorial    CTH: Contact Hours										

2nd trimester (Foundation)	No.	Course Code	Course Name	Prerequisites	No. of Units					Tvtc Equivalent
					CRH	L	P	T	CTH	
	1	YEN 104	Intensive English language -2	YEN 101	4	0	8	12	20	
	2	YCA 104	Computer Applications -2	YCA 101	2	1	2	0	3	CMT 101
	3	YMA 104	General Mathematics -2	YMA 101	2	1	2	0	3	
	4	YPH 104	General Physics -2	YPH 101	2	1	2	0	3	
Total Number of Units					10	3	14	12	29	
CRH: Credit Hours    L: Lecture    P: Practical    T: Tutorial    CTH: Contact Hours										

3rd trimester (Foundation)	No.	Course Code	Course Name	Prerequisites	No. of Units					Tvtc Equivalent
					CRH	L	P	T	CTH	
	1	YEN 107	Intensive English language -3	YEN 104	4	0	8	12	20	ENG 106
	2	YCA 107	Computer Applications -3	YCA 104	2	1	2	0	3	CMT 102
	3	YMA 107	General Mathematics -3	YMA 104	2	1	2	0	3	MAT 113
	4	YPH 107	General Physics -3	YPH 104	2	1	2	0	3	PHY 115
Total Number of Units					10	3	14	12	29	
CRH: Credit Hours    L: Lecture    P: Practical    T: Tutorial    CTH: Contact Hours										

Fast track trimester (Foundation)	No.	Course Code	Course Name	Equivalent	No. of Units					Tvtc Equivalent
					CRH	L	P	T	CTH	
	1	YCA 111	Computer Applications	YCA 101 YCA 104 YCA 107	6	3	6	0	9	CMT 101 CMT 102
	2	YMA 111	General Mathematics	YMA 101 YMA 104 YMA 107	6	3	6	0	9	MAT 113
	3	YPH 111	General Physics	YPH 101 YPH 104 YPH 107	6	3	6	0	9	PHY 115
Total Number of Units					18	9	18	0	27	
CRH: Credit Hours    L: Lecture    P: Practical    T: Tutorial    CTH: Contact Hours										

4th trimester	No.	Course Code	Course Name	Prerequisites	No. of Units					Tvtc Equivalent
					CRH	L	P	T	CTH	
	1	ISL 101	Islamic Culture -1		2	2	0	0	2	
	2	YEE 101	DC Circuits		4	3	2	0	5	ELT 106
	3	YEE 111	Technical Communication		2	1	2	0	3	ELT 108
	4	YEE 121	Digital Circuit Applications		2	1	2	0	3	
	5	YEE 131	Industrial Safety		2	2	0	0	2	ELT 105
	6	YEE 141	Electrical Installation		5	0	10	0	10	ELT 186
Total Number of Units					17	9	16	0	25	

5th trimester	No.	Course Code	Course Name	Prerequisites	No. of Units					Tvtc Equivalent
					CRH	L	P	T	CTH	
	1	ISL 102	Islamic Culture -2	ISL 101	2	2	0	0	2	
	2	YEN 221	Workplace Communication -1		2	1	2	0	3	ENG 137
	3	YEE 104	AC Circuits	YEE 101	3	1	4	0	5	ELT 107
	4	YEE 124	Programmable Logic Controller Applications	YEE 121	4	2	4	0	6	ELT 205
	5	YEE 151	DC & AC Drives	YEE 101	3	2	2	0	4	ELT 218
	6	YEP 111	Industrial Installation	YEE 131	4	0	8	0	8	ELT 182
Total Number of Units					18	8	20	0	28	

6th trimester	No.	Course Code	Course Name	Prerequisites	No. of Units					Tvtc Equivalent
					CRH	L	P	T	CTH	
	1	YEN 224	Workplace Communication -2	YEN 221	2	1	2	0	3	ENG 237
	2	YEE 204	Power Electronics Circuit Applications	YEE 104	4	3	2	0	5	ELT 208
	3	YEE 251	Instrumentation & Measurement	YEE 104	3	2	2	0	4	ELT 103
	4	YEP 201	Transformers	YEE 104	4	2	4	0	6	ELT 118
	5	YEP 211	Installation of Building Automation Systems	YEP 111	3	0	6	0	6	ELT 288
	6	YEP 203	Electrical Power Generation	YEE 151	3	2	2	0	4	ELT 264
Total Number of Units					19	10	18	0	28	

7th trimester	No.	Course Code	Course Name	Prerequisites	No. of Units					Tvtc Equivalent
					CRH	L	P	T	CTH	
	1	YPE 101	Professional Ethics & Comm. Skills	YEN 222	2	1	2	0	3	ETH 101
	2	YEE 242	Automatic Control Applications	YEE 124	3	2	2	0	4	ELT 207
	3	YEP 205	Electrical Power Distribution	YEE 124	3	2	2	0	4	ELT 261
	4	YEP 207	Electrical Power Transmission	YEE 124	4	3	2	0	5	ELT 262
	5	YEP 214	Installation of Building & Distribution Systems	YEP 211	3	0	6	0	6	ELT 263
	6	YEP 281	Project	YEP 211 YEP 203	3	0	6	0	6	
Total Number of Units					19	8	20	0	28	



8th trimester	No.	Course Code	Course Name	Prerequisites	No. of Units					Tvtc Equivalent
					CRH	L	P	T	CTH	
	1	YEP 299	Co-operative Training		4	Site Conditions Over 420 hours			ELT 299	

Total Number of trimesters Credit Units					CRH	L	P	T	CTH
					106	44	116	36	196
Total of training Hours (13X196) + Cooperative training Hours (420) = 2968									