

Electrical Power Applied Engineering Programme

No.	Module Code	Module Name	Prerequisite Course	Units	
				C.P	L.H
1		Acknowledged achievement from previous studies			30

No.	Module Code	Module Name	Prerequisite Course	Units	
				C.P	L.H
1		Acknowledged achievement from previous studies			30

First training semester	No.	Module Code	Module Name	Prerequisite Course	Units	
					C.P	L.H
	1		Electrical Principles I		8	240
	2		Applied Mathematics I		4	120
	3		Applied Physic I		4	120
	4		English Language I		7	210
	5		Islamic Studies I		2	60
	6		Academic Competencies I		2	60
	7		Electrical Principles I		8	240
Total				27	810	

Second training semester	No.	Module Code	Module Name	Prerequisite Course	Units	
					C.P	L.H
	1		Electrical Principles II		8	240
	2		Computer Programming and Matlab		4	120
	3		Applied Mathematics II		4	120
	4		Applied Physic II		4	120
	5		English Language II		7	210
6		Academic Competencies I		2	60	
Total				29	870	

Third training semester	No.	Module Code	Module Name	Prerequisite Course	Units	
					C.P	L.H
	1		Electrical Power System		3	90
	2		Electromechanical Energy Conversion		4	120
	3		Analogue Electronics and Applications		9	270
	4		Digital Electronics and Applications		6	180
	5		Applied Mathematics III		4	120
6		English Language III		5	150	
Total				31	930	

Fourth training semester	No.	Module Code	Module Name	Prerequisite Course	Units	
					C.P	L.H
	1		Programming in C		3	90
	2		Measurement and Instruments		5	150
	3		Industrial Automation and PLC		4	120
	4		Power Electronics and Applications		6	180
	5		English Language IV		5	150
	6		Business Studies Module		2	60
7		Train the Trainer Module		2	60	
Total				27	810	

Fifth training semester	No.	Module Code	Module Name	Prerequisite Course	Units	
					C.P	L.H
	1		Electrical Power Distribution System		3	90
	2		Automatic Control Systems		4	120
	3		Electrical Installations Design		4	120
	4		Engineering System Design and Management		3	90
	5		English Language 5		3	90
	6		Business Studies Module		2	60
	7		Train the Trainer Module		2	60
	Total				21	630

Sixth training semester	No.	Module Code	Module Name	Prerequisite Course	Units	
					C.P	L.H
	1		Power System Applications		6	180
	2		Power System Protection Or Renewable Energy Systems		3	90
	3		Bachelor Thesis		15	450
	4		Islamic Studies III		2	60
	5		English Language 6		3	90
	6		Business Studies Module		2	60
	7		Train the Trainer Module		2	60
	Total				33	990

Total	No.	Module Code	Module Name	Prerequisite Course	Units	
					C.P	L.H
	Sum Total				168	5040

C.P	ECTS-Points
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Notes :

1 ECTS credit point = 30 hours of learning

Typically the student will have no more than 25 class room contact hours per week plus self study and research hours.

The Technical Trainers College (TTC) has 18 weeks of training per semester.

The "168 ECTS-Points" in (TTC), with Company Field Practice, 12 ECTS Points, plus the "60 ECTS-Points" from previous studies equals "240 ECTS-Points".

The 240 ECTS points are needed to successfully achieve the Applied Engineering Bachelor degree at the Technical Trainers College (TTC).

Allocation of hours

240 Credit Points for Full certification

Credit point breakdown

Prior Learning from CoT/CoE	60
Vocational Discipline	103
Company Field Practice	12
Bachelor Project/colloquium	15
English Language	30
Islamic Studies	4
Academic Studies	4
Business Enterprise	6
Train the Trainer	6