

NETWORK AND COMMUNICATIONS ENGINEERING

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

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First training semester	No.	Module Code	Module Name	Prerequisite Course	Units	
					C.P	L.H
	1	TI-FCT	Fundamentals of Computer Technology		7	210
	2	MAT-1	Applied Mathematics I		4	120
	3	PHY-1	Applied Physics I		4	120
	4	ENG-1	English Language I		7	210
	5	ISL-1	Islamic Studies I		2	60
	6	ACS-1	Academic Competencies I		2	60
Total				26	780	

Second training semester	No.	Module Code	Module Name	Prerequisite Course	Units	
					C.P	L.H
	1	TI-DN1	Fundamentals of Data Communication & Networks I		4	120
	2	TI-IS1	Information Systems & Programming I		5	150
	3	MAT-2	Applied Mathematics II		4	120
	4	ELF-1	Electricity Fundamentals 1		2	60
	5	ENG-2	English Language II		7	210
	7	ACS-2	Academic Competencies II		2	60
Total				24	720	

Third training semester	No.	Module Code	Module Name	Prerequisite Course	Units	
					C.P	L.H
	1	TI-SAD	System Administration		5	150
	2	TI-DN2	Fundamentals of Data Communication & Networks II (Cisco Certification)	TI-DN1	5	150
	3	TI-DB1	Database Management Systems I		4	120
	4	ELF-2	Electricity Fundamentals 2	ELF-1	2	60
	5		Applied Mathematics III		4	120
6		English Language III		5	150	
Total				25	750	

Fourth training semester	No.	Module Code	Module Name	Prerequisite Course	Units	
					C.P	L.H
	1	TI-ASA	Advanced System Administration	TI-SAD	5	150
	2	TI-DCM	Digital Communications	TI-DN2	4	120
	3	TI-ESW	Ethernet Switching (Cisco Certification)		5	150
	4	TI-PQM	Project & Quality Management		2	60
	5		English Language IV		5	150
	7		Business Studies Module		2	60
8		Train the Trainer Module		2	60	
Total				25	750	

	No.	Module Code	Module Name	Prerequisite Course	Units	
					C.P	L.H
Fifth training semester	1	TI-RTI	Routing in IP Networks (Cisco Certification)	TI-ESW	6	180
	2	TI-MWN	Mobile & Wide Area Networks		6	180
	3	TI-LAS	Linux Server Administration		6	180
	4	TI-PRJ	Engineering Project		6	180
	5		English Language 5		3	90
	6		Business Studies Module		2	60
	7		Train the Trainer Module		2	60
Total					31	930

	No.	Module Code	Module Name	Prerequisite Course	Units	
					C.P	L.H
Sixth training semester	1	TI-INS	Information & Network Security (Cisco Certification)		6	180
	2	TI-ELN	Elective Courses in NCE		7	210
	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					37	1110

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

C.P ECTS-Points

Notes :

1 ECTS credit point = 30 hours of learning

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
Total	<u>240</u>