

INFORMATION SYSTEMS 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 I		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-IS2	Information Systems & Programming II	TI-IS1	5	150
	3	TI-DB1	Database Management Systems I		4	120
	4	TI-INS	Information Security		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-DB2	Database Management Systems II	TI-DB1	5	150
	2	TI-AP1	Advanced Programming I	TI-IS2	7	210
	3	TI-SWE	Software Engineering		4	120
	4		English Language IV		5	150
	5		Business Studies Module		2	60
6		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-WP1	Web Programming I		6	180
	2	TI-AP2	Advanced Programming II	TI-AP1	6	180
	3	TI-MSA	Mobile Software Applications	TI-AP1	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-WP2	Web Programming II	TI-WP1	6	90
	2	TI-ELS	Elective Courses in ISE		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

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/colloqium	15
English Language	30
Islamic Studies	4
Academic Studies	4
Business Enterprise	6
Train the Trainer	6
Total	<u>240</u>