Production Technology Applied Engineering Programmme

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

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

First training semester	No.	Module Code	Module Name	Prerequisite Course	Units C.P	Units L.H
	1	ENF-1	Engineering Fundamentals 1		6	180
	2	IMS-1	Introduction to Material Science		4	120
	3	MAT-1	Applied Mathematics I		4	120
	4	PHY-1	Applied Physic I		4	120
	5	ENG-1	English Language I		7	210
	6	ISL-1	Islamic Studies I		2	60
	7	ACS-1	Academic Competencies I		2	60
	Total				29	870

Second training semester	No.	Module Code	Module Name	Prerequisite Course	Units C.P	Units L.H
	1	ENF-2	Engineering Fundamentals 2	ENF-1	5	150
	2	ELF-2	Electicity Fundamentals 1	PHY-1, MAT-1	2	60
	3	ICE-2	Introduction to Production Engineering		3	90
	4	MAT-2	Applied Mathematics II	MAT-1	4	120
	5	PHY-2	Applied Physic II	MAT-1	4	120
	6	ENG-2	English Language II		7	210
	Total				27	810

Third training semester	No.	Module Code	Module Name	Prerequisite Course	Units C.P	Units L.H
	1	AMS-3	Adv. Mat. Science and Testing	IMS-1, MAT-2	4	120
	2	MFC-3	Metal Forming Cutting	ENF-2, MAT-2	5	150
	3	CMA-3	Conventional Machining	ENF-2, MAT-2	5	150
	4	MAT-3	Applied Mathematics III		4	120
	5	ENG-3	English Language III		5	150
	Total				23	690

Fourth training semester	No.	Module Code	Module Name	Prerequisite Course	Units C.P	Units L.H
	1	CNC-4	CNC Technology	CMA-3, MAT-2	7	210
	2	AST-4	Assembly Technology	ENF-2, PHY-2, ELF-2	7	210
	3	MAE-4	Machine Elements	PHY-2, MAT-3	4	120
	4	ENG-4	English Language IV		5	150
	5	BE-4	Business Studies		2	60
	6	TT-4	Train the Trainer Module		2	60
	Total				27	810

	No.	Module Code	Module Name	Prerequisite Course	Units	
					C.P	L.H
Fifth training semester	1	SMQ-5	Standards, Metrology and QM	CNC-4, MAT-3	6	180
	2	ENP-5	Engineering Project	2, CNC-4, AST-4, MFC-3, C	8	240
	3	MAS-5	Manufacturing Systems	, CNC-4, AST-4, MFC-3, CN	4	120
	4	ENG-5	English Language 5		3	90
	5	BE-5	Business Studies	BE-4, MAT-3	2	60
	6	TT-5	Train the Trainer Module		2	60
	Total				25	750

	No.	Module Code	Module Name	Prerequisite Course	Units	
					C.P	L.H
Sixth training semester	1	PLM-6	Plant Management	BE-5, MAS-5	3	90
	2	ELM-6	Elective Module: Lightweight Structural Design & Manuf. or Welding Engineering or Plastic Part Manufacturing	ST-4, ELF-2, AMS-3, ENP-	10	300
	3	BAT-6	Bachelor Thesis		15	450
	4	ISL-6	Islamic Studies III		2	60
	5	ENG-6	English Language 6		3	90
	6	BE-6	Business Studies		2	60
	7	TT-6	Train the Trainer Module		2	60
	Total				37	1110

	No.	Module Code	Module Name	Prerequisite Course	Units	
					C.P	L.H
Total	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	240