

## Automotive Technology Applied Engineering Programme

	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	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	L.H
	1	ENF-2	Engineering Fundamentals 2		5	150
	2	ELF-2	Electricity Fundamentals 1	PHY-1, MAT-1	2	60
	3	ICE-2	Introduction to Vehicle 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	L.H
	1	AEC-3	Automotive Electric, Electronics and Control Systems	ELF-2, ICE-2	10	300
	2	HYP-3	Hydraulics and Pneumatics	PHY-2	4	120
	3	MAT-3	Applied Mathematics III		4	120
4	ENG-3	English Language III		5	150	
Total					23	690

Fourth training semester	No.	Module Code	Module Name	Prerequisite Course	Units	
					C.P	L.H
	1	MAE-4	Machine Elements	MAT-3, PHYS-2	4	120
	2	FEN-4	Fundamentals of Engines	PHYS-2,	6	180
	3	EDT-4	Engine Diagn. & Testing	AEC-3	4	120
	4	MOR-4	Maintenance Organization		4	120
	5	ENG-4	English Language IV		5	150
	6	BE-4	Business Studies		2	60
7	TT-4	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	DTT-5	Drive Train Technology	PHYS-2, MAE-4	7	210
2	CHT-5	Chassis Technology	PHYS-2, MAE-4	7	210	
3	TDM-5	Technical Doc. & Spare Part Management	MOR-4	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	
7	DTT-5	Drive Train Technology	PHYS-2, MAE-4	7	210	
Total					25	750

Sixth training semester	No.	Module Code	Module Name	Prerequisite Course	Units	
					C.P	L.H
	1	ASC-6	Automotive Safety & Comfort Systems	AEC-3	9	270
2	CVE-6	Commercial Vehicles	AEC-3, HYP-3, MAE-4,	2	60	
3	VFM-6	Vehicle Fleet Management	BE-5, MOR-4	2	60	
4	BAT-6	Bachelor Thesis		15	450	
5	ISL-6	Islamic Studies III		2	60	
6	ENG-6	English Language 6		3	90	
7	BE-6	Business Studies		2	60	
8	TT-6	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/colloquium	15
English Language	30
Islamic Studies	4
Academic Studies	4
Business Enterprise	6
Train the Trainer	6