

The Foundation Year Curriculum

Foundation Year Content Delivery Schedule					
		Course No.	Course	Hours P/Week	Total Hours
Trimester1		ENG 101	General English 1	17	204
		APE101	Applied English 1	5	60
		SSK101	Study Skills 1	3	36
		STEM101	STEMS-IT Skills1	5	60
			Total Hours		30

		Course No.	Course	Hours P/Week	Total Hours
Trimester1		ENG 102	General English 2	14	168
		APE102	Applied English 2	5	60
		SSK102	Study Skills 2	3	36
		STEM102	STEMS-IT Skills 2	5	60
		MTH101	STEMS- Math	3	36
			Total Hours		30

		Course No.	Course	Hours P/Week	Total Hours
Trimester 3		ENG 103	General English 3	17	204
		APE103	Applied English 3	5	60
		STEM104	STEMS - IT Skills 3	5	60
		MTH102	STEMS-Math 2	3	36
			Total Hours		30

Program Matrix - Mechanical Maintenance Course

	Course No.	Course Name	Total Hours
Trimester 4	CTC101	Introduction to Engineering Technology and Plant Equipment	20
	CTC102	Occupational Health & Safety and the Environment	44
	CTC103	Fundamentals of Process Control	20
	CTC104	Electrical and Mechanical Fundamentals	50
	CTC105	Drawings and Diagrams	40
	CTC106	Measurement and Hand Tools	50
	CTC107	Computer Applications for Engineering Technology and Logistics	40
	CTC108	Personal Development and Working in a Team	36
	ENG 211	Technical English 1	60
			360
Trimester 5	MMC 201	Maintenance Area Preparation	42
	MMC202	Bearings, Shafts and Seals	60
	MMC203	Machining and Machine Shop	60
	MMC204	Rotating Machinery Maintenance	66
	MMC205	Fundamentals of Metal Fabrication 1	60
	MMC206	Introduction to Refrigeration and Air Conditioning	42
	ENG212	Technical English 2	30
Trimester 6	MMC301	Mechanical Drives	50
	MMC302	Piping and Tubing Systems	60
	MMC303	Valve Installation and Maintenance	40
	MMC304	Hydraulics and Pneumatics	40
	MMC305	Equipment Installation	30
	MMC306	Fundamentals of Metal Fabrication 2	60
	MMC307	Installation, Maintenance and Troubleshooting of Refrigeration and Air conditioning	50
	ENG213	Technical English 3	30
			360