

## Academic Program Sheet

Year 1			
Semester 1		Semester 2	
LH 131	English for Special Purposes (1)	LH 132	English for Special Purposes (2)
BA 123	Mathematics (1)	BA 124	Mathematics (2)
BA 113	Physics (1)	BA 114	Physics (2)
CC 111	Introduction to Computers	CC 112	Structured Programming
ME 151	Eng. Drawing & Projection	IM 112	Manufacturing Technology
BA 141	Engineering Mechanics (1)	BA 142	Engineering Mechanics (2)
IM 111	Industrial Relations	BA 118	Chemistry
Year 2			
Semester 3		Semester 4	
LH 231	Technical Report Writing	BA 224	Mathematics (4)
CC 216	Digital Logic Design	ME 231	Thermo-dynamics
BA 223	Mathematics (3)	EE 232	Electrical Circuits (2)
ME 274	Material Science	EE 211	Electrical Measurements & Inst. (1)
CC 213	Programming Applications	EE 331	Electrical & Magnetic Field. (1)
EE 231	Electrical Circuits (1)	EG 211	Energy Resources & Conversion
Year 3			
Semester 5		Semester 6	
BA 323	Mathematics (5)	BA 327	Statistics & Numerical Methods
EC 335	Electronics Fundamentals	EG 312	Power System Analysis (2)
EE 321	Electrical Machines (1)	EE 322	Electrical Machines (2)
EG 362	Fluid Mechanics (1)	ME 355	Theory of Machines
EG 311	Power System Analysis (1)	ME 431	Heat Transfer
NE 264	Scientific Thinking	EE 421	Power Electronics (1)
Year 4			
Semester 7		Semester 8	
EC 435	Photo voltaic Electronics	EG 423	Combustion Engines
EE 545	High Voltage Engineering	NE 364	Engineering Economy
EG 422	Solar Thermal Energy	EG 412	Fundamentals of Photovoltaic
EE 423	Power Electronics (2)	EG 413	Energy Environmental Aspects
CC 444	Programmable devices & smart meters	EE 424	Electrical Drives
EE 418	Automatic Control Systems	EE 442	Power System Protection
		IM 400	Practical Training
Year 5			
Semester 9		Semester 10	
EG 501	Project (1)	EG 502	Project (2)
EE 547	Energy Utilization	EG 514	Wind Energy (2)
EG 521	Wind Energy (1)	EE 531	Economics of Energy Generation and Operation
EG 512	Energy Efficiency	EG 5XX	Elective Course (Group A)
ME 425	Power Plant Technology	EG 5XX	Elective Course (Group B)
EG 5XX	Elective Course (Group A)		