FIRST YEAR							
FIRST SEMESTER				SECOND SEMESTER			
Name of Subject	Credit Hours		Marks	Name of Subject	Credit Hours		Marks
	Theory	Practical	Th + Pr		Theory	Practical	Th + Pr
Pakistan Studies	2	0	50+00	Communication Skills	2	1	50+50
Engineering Materials	3	0	100+00	Differential Equations	3	0	100+00
Functional English	3	0	100+00	Electrical Engineering	2	1	50+50
Applied Calculus & linear Algebra	3	0	100+00	Engineering Dynamics	2	0	50+00
Engineering Statics	2	1	50+50	Electronic Engineering	2	1	50+50
Workshop Practice	0	2	00+100	Islamic Studies/Ethics	2	0	50+00
Total	**13**	**3**	**400+150**	**Total**	**13**	**3**	**350+150**

SECOND YEAR							
FIRST SEMESTER				SECOND SEMESTER			
Name of Subject	Credit Hours		Marks	Name of Subject	Credit Hours		Marks
	Theory	Practical	Th + Pr		Theory	Practical	Th + Pr
Complex Variables & Transforms	3	0	100+00	Numerical Analysis	3	0	100+00
Computer System & Programing	2	1	50+50	Mechanics of Machines	2	1	50+50
Engineering Drawing & Graphics	2	1	50+50	Fluid Mechanics-I	2	1	50+50
Mechanics of Materials-I	3	1	100+50	Mechanics of Materials-II	3	0	100+00
Thermodynamics-I	2	0	50+00	Thermodynamics-II	3	1	100+50
Applied Physics	2	0	50+00	Applied Chemistry	2	0	50+00
Total	**14**	**3**	**400+150**	**Total**	**15**	**3**	**450+150**

THIRD YEAR

FIRST SEMESTER

Name of Subject	Credit Hours		Marks
	Theory	Practical	Th + Pr
Statics & Probability	3	0	100+00
Instrumentation & Control	2	1	50+50
Fluid Mechanics-II	3	1	100+50
Engineering Management & Economics	2	0	50+00
Renewable & Emerging Energy Technologies	2	0	50+00
Machine Design & CAD-I	2	1	50+50
Total	**14**	**3**	**400+150**

SECOND SEMESTER

Name of Subject	Credit Hours		Marks
	Theory	Practical	Th + Pr
Manufacturing Processes-I	2	1	50+00
Machine Design & CAD-II	3	1	100+50
Heat & Mass Transfer	3	1	100+50
Mechatronics	2	1	50+50
Total Quality management	2	0	50+50
Technical Report Writing & Presentation Skills	2	0	50+00
Total	**14**	**4**	**400+200**

FINAL YEAR

FIRST SEMESTER

Name of Subject	Credit Hours		Marks
	Theory	Practical	Th + Pr
Aerodynamics	3	1	100+50
Safety, Health & Environment	2	0	50+00
Manufacturing Processes-II	3	1	100+50
Mechanical Vibration	3	1	100+50
FYP-I	0	3	00+100
Total	**11**	**6**	**350+250**

SECOND SEMESTER

Name of Subject	Credit Hours		Marks
	Theory	Practical	Th + Pr
Power Plants	3	1	100+50
Heating Ventilation & Air-conditioning Systems (HVAC)	3	1	100+50
Automobile Engineering	2	1	50+50
Maintenance Engineering	2	0	50+00
FYP-II	0	3	00+100
Total	**10**	**6**	**300+250**