

SN	Name of Subject	CH		Marks	SN	Name of Subject	CH		Marks
		Th	Pr				Th	Pr	
First Year									
1 st Semester					2 nd Semester				
1	Applied calculus	03	0	100+00	1	Mechanical Technology	03	01	100+50
2	Functional English	02	0	50+00	2	Pakistan Studies	02	00	50+00
3	Islamic Study/Ethics	02	0	50+00	3	Material Engineering	03	01	100+50
4	Introduction to Computing and C++ Programming	03	01	100+50	4	Circuit Analysis	03	01	100+50
5	Applied Physics	03	01	100+50	5	Linear Algebra & Analytical Geometry	03	00	100+00
6	Engineering Drawing & Graphics Lab	00	01	00+50					
	Total Credit Hours	13	3	400+150		Total Credit Hours	14	3	450+150
Second Year									
1 st Semester					2 nd Semester				
1	Signals and systems	03	01	100+50	1	Complex Variables & Transforms	03	00	100+00
2	Differential Equations and Transforms	03	00	100+00	2	Introduction to Embedded Systems	03	01	100+50
3	Electronic Devices & Circuits	03	01	100+50	3	Electric Machine & Drives	03	01	100+50
4	Communication Skills	02	00	50+00	4	Digital Signal Processing & Applications	03	01	100+50
5	Digital Logic Design	03	01	100+50	5	Machine Drawing & Solid Modeling	00	01	00+50
	Total Credit Hours	14	03	450+150		Total Credit Hours	12	04	450+200
Third Year									
1 st Semester					2 nd Semester				
1	Entrepreneurship	02	00	50+00	1	Project Management	02	00	50+00
2	IoT System Design & Applications	03	01	100+50	2	Advanced Control System	03	01	100+50
3	Industrial Instrumentation & Control	03	01	100+50	3	Industrial System Modeling & Simulation	03	01	100+50
4	Control System	03	01	100+50	4	Communication System	03	01	100+50
5	Numerical Analysis & Com. Application	03	01	100+50	5	Sensors And Signal Conditioning	03	01	100+50
	Total Credit Hours	14	04	450+200		Total Credit Hours	14	04	450+200
Final Year									
1 st Semester					2 nd Semester				
1	Robotics And Automation	03	01	100+50	1	Biosensors and MEMS	03	01	100+50
2	Technical Report Writing & Presentation Skills	02	00	50+00	2	Artificial Intelligent Techniques & Applications	03	01	100+50