

Scheme of Study

BSc/BS MECHANICAL ENGINEERING TECHNOLOGY

1st Semester

S N	Course Code	Subject	Nature	Weekly Credit Hours		Credit Hours	
				Theo ry	Practi cal	Theo ry	Practi cal
1	MH-112	Technical Communication Skills	(Humanities/ English)	2	0	2	0
2	MH-122	Islamic Studies	(Humanities)	1	0	1	0
3	MS-113	Applied Mathematics-I	(Natural Science)	3	0	3	0
4	MS-123	Applied Chemistry	(Natural Science)	2	4	2	1
5	MT-113	Computer Applications	(Computing)	1	2	1	2
6	MT-124	Workshop Technology	(Engineering Foundation)	1	6	1	3
Total				10	12	10	6
Grand Total				10 + 12 = 22		10+06 = 16	

2nd Semester

S N	Course Code	Subject	Nature	Weekly Credit Hours		Credit Hours	
				Theo ry	Practi cal	Theo ry	Practi cal
1	MH-132	Pakistan Studies	Humanities	1	0	1	0
2	MS-134	Applied Physics	(Natural Science)	2	4	2	2
3	MT-134	Technical drawing and CAD-1	(Engineering Foundation)	1	6	1	3
4	MT-143	Applied Thermo dynamics- 1	(Engineering Foundation)	1	4	1	2
5	ET-114	Basic Electrical & Electronics	(Engineering Foundation)	2	4	2	2
Total				07	18	7	9
Grand Total				07 + 18 = 25		07 + 09 = 16	

Scheme of Study

3rd semester

S N	Course Code	Subject	Nature	Weekly Credit Hours		Credit Hours	
				Theory	Practical	Theory	Practical
1	MH-213	Applied Mathematics -II	(Natural Science)	3	0	3	0
2	MT-213	CAD - II	(Major based Breadth)	0	6	0	3
3	MT-223	Industrial Material	(Engineering Foundation)	2	2	2	1
4	MT-233	Mechanics of Material	(Engineering Foundation)	2	2	2	1
5	MT-244	Applied Thermodynamics -II	(Major based Breadth)	2	4	2	2
Total				9	14	9	7
Grand Total				09 + 14 = 23		09 + 7 = 16	

4th Semester

S N	Course Code	Subject	Nature	Weekly Credit Hours		Credit Hours	
				Theory	Practical	Theory	Practical
1	MT-252	Machine Design	(Major based Breadth)	2	0	2	0
2	MT-264	Fluid Mechanics	(Major based Breadth)	2	4	2	2
3	MT-272	Industrial Management	(Major based Breadth)	2	0	2	0
4	MT-283	Statics	(Major based Breadth)	2	2	2	1
5	MH-223	Probability and Statistics	(Natural Science)	3	0	3	0
6	MH-232	Professional Ethics	Humanities	2	0	2	0
Total				13	6	13	3
Grand Total				13 + 06 = 19		13 + 03 = 16	

Scheme of Study

5th Semester

S N	Course Code	Subject	Nature	Weekly Credit Hours		Credit Hours	
				Theory	Practical	Theory	Practical
1	MT-313	Heat Transfer	(Major based Depth)	2	2	2	1
2	MT-323	I C Engine	(Major based Depth)	1	4	1	2
3	MT-333	Dynamics	(Major based Depth)	2	2	2	1
4	MT-343	Manufacturing Processes	(Major based Depth)	2	2	2	1
5	MS-313	Material Handling & Safety	(Major based Depth)	3	0	3	0
6	MH-312	Economics	Humanities	2	0	2	0
Total				12	10	12	5
Grand Total				12 + 10 = 22		14 + 05 = 19	

6th Semester

S N	Course Code	Subject	Nature	Weekly Credit Hours		Credit Hours	
				Theory	Practical	Theory	Practical
1	MT-352	Instrumentation and Control	(Major based Depth)	1	2	1	1
2	MT-363	Mechanical Vibration	(Major based Depth)	2	2	2	1
3	MT-374	Refrigeration & Air Conditioning	(Major based Depth)	2	4	2	2
4	MT-384	Technical Project	(Major based Depth)	0	8	0	4
5	MS-323	TQM	(Natural Science)	3	0	3	0
Total				8	16	8	8
Grand Total				08+16=24		08 + 08= 16	

Scheme of Study

7th Semester Fourth Year:

S. No	Course Code	Subject	Credit Hours		Contact Hours	
			Theory	Practical	Theory	Practical
1	MT-4116	16 Weeks Supervised Industrial / Field Training (8x5=40 Hrs / Week)	0	16	0	40x16 = 640
Total			0	16	0	640
Grand Total			0 + 16 = 16		0 + 640 = 640	

8th Semester Fourth Year:

S. No	Course Code	Subject	Credit Hours		Contact Hours	
			Theory	Practical	Theory	Practical
1	MT-4216	16 Weeks Supervised Industrial / Field Training (8x5=40 Hrs / Week)	0	16	0	40x16 = 640
Total			0	16	0	640
Grand Total			0+ 16 = 16		0+ 640 = 640	

▪ Complete guidelines for 32 weeks Continuous Supervised Industrial/ Field Training are available in Annexure-K.