Integrated Dual Degree B. Tech. + M. Tech. / MBA - I Semester				
S. No.	**Subject Code**	**Name of Subject**	**L-T-P**	**Credits**
	Theory Subjects			
1	PH 102 / CY 101	Engineering Physics / Engineering Chemistry	3-1-0	4
2	MA 101	Mathematics –I	3-1-0	4
3	CE 101	Engineering Mechanics	2-1-0	3
4	CS 101	Computer Programming –I	2-0-0	2
5	EE 102	Electrical Technology	2-0-0	2
6	HU 101	English Proficiency	2-0-0	2
7	SS 101	Human Values & Buddhist Ethics	2-0-0	2
	Practical Labs			
8	PH 104 / CY 103	Engineering Physics Lab / Engineering Chemistry Lab	0-0-2	1
9	ME 102 / ME 103	Engineering Workshop / Engineering Graphics	0-0-3	2
10	CS 181	Computer Programming Lab -I	0-0-3	2
11	EE 104	Electrical Technology Lab	0-0-2	1
12	GP 101	General Proficiency		1
		Total Credits		**26**
		Total Contact Hours	**16-3-10**	

Integrated Dual Degree B. Tech. + M. Tech. / MBA -II Semester				
S. No.	**Subject Code**	**Name of Subject**	**L-T-P**	**Credits**
	Theory Subjects			
1	CY 101 / PH 102	Engineering Chemistry / Engineering Physics	3-1-0	4
2	MA 101	Mathematics –II	3-1-0	4
3	CE 102	Concept of Built Environment	2-1-0	3
4	CS 102	Computer Programming –II	2-0-0	2
5	EC 101	Basic Electronics	2-0-0	2
6	HU 102	Professional Communication	2-0-0	2
7	SS 102	History of Science & Technology	2-0-0	2
	Practical Labs			
8	CY 101 / PH 102	Engineering Chemistry Lab / Engineering Physics Lab	0-0-2	1
9	ME 103 / ME 102	Engineering Graphics / Engineering Workshop	0-0-3	2
10	CE 104	Built Environment Lab	0-0-3	2
11	EC 181	Basic Electronics Lab	0-0-2	1
12	GP 102	General Proficiency		1
		Total credits		**26**
		Total Contact Hours	**16-3-10**	

Integrated Dual Degree B. Tech. + M. Tech. / MBA - III Semester				
S. No.	**Subject Code**	**Name of Subject**	**L-T-P**	**Credits**
	Theory Subjects			
1	MA 201	Quantitative Techniques	3-1-0	4
2	ME 201	Material Science	2-0-0	2
3	ME 203	Manufacturing Technology -I	3-0-0	3
4	ME 205	Kinematics of Machines	2-1-0	3
5	ME 207	Engineering Thermodynamics	2-1-0	3
6	ME 209	Mechanics of Materials- I	3-1-0	4
	Practical Labs			
7	ME 211	Manufacturing Technology Lab -I	0-0-3	2
8	ME 213	Mechanics of Materials Lab - I	0-0-2	1
9	ME 215	Machine Drawing	1-0-3	3
10	GP 201	General Proficiency		1
		Total Credits		**26**
		Total Contact Hours	**16-4-8**	

Integrated Dual Degree B. Tech. + M. Tech. / MBA - IV Semester				
S. No.	**Subject Code**	**Name of Subject**	**L-T-P**	**Credits**
	Theory Subjects			
1	MA 202	Numerical methods of Analysis	3-1-0	4
2	ME 202	Manufacturing Technology -II	3-0-0	3
3	ME 204	Dynamics of Machines	3-1-0	4
4	ME 206	Applied Thermodynamics	2-1-0	3
5	ME 208	Fluid Mechanics	3-1-0	4
6	ME 210	Engineering Measurements & Instrumentation	2-0-0	2
	Practical Labs			
7	ME 212	Fluid Mechanics Lab	0-0-3	2
8	ME 214	Dynamics of Machines Lab	0-0-3	2
9	ME 216	Engineering Measurements & Instrumentation Lab	0-0-2	1
10	GP 202	General Proficiency		1
		Total Credits		**26**
		Total Contact Hours	**16-4-8**	

Integrated Dual Degree B. Tech. + M. Tech. / MBA - V Semester				
S. No.	**Subject Code**	**Name of Subject**	**L-T-P**	**Credits**
	Theory Subjects			
1	ME 301	Heat and Mass Transfer	3-1-0	4
2	ME 303	Machine Design –I	3-1-0	4
3	ME 305	Mechanics of Materials – II	2-1-0	3
4	ME 307	Fluid Machines	3-1-0	4
5	ME 309	IC Engines and Gas Turbines	3-1-0	4
	Practical Labs			
6	ME 311	Heat and Mass Transfer Lab	0-0-3	2
7	ME 313	Fluid Machines Lab	0-0-3	2
8	ME 315	Applied Thermodynamics Lab	0-0-3	2
9	GP 301	General Proficiency		1
		Total Credits		**26**
		Total Contact Hours	**14-5-9**	

Integrated Dual Degree B. Tech. + M. Tech. / MBA - VI Semester				
S. No.	**Subject Code**	**Name of Subject**	**L-T-P**	**Credits**
	Theory Subjects			
1	ME 302	Mechanical Vibrations	3-1-0	4
2	ME 304	Machine Design –II	2-2-0	4
3	ME 306	Refrigeration and Air Conditioning	3-1-0	4
4	ME 308	Automobile Engineering	3-0-0	3
5	ME 310	Industrial Engineering	3-1-0	4
	Practical Labs			
6	ME 312	Mechanical Vibrations Lab	0-0-3	2
7	ME 314	Refrigeration and Air Conditioning Lab	0-0-3	2
8	ME 316	Automobile Engineering Lab	0-0-3	2
9	GP 302	General Proficiency		1
10		Industrial Training (4-6 weeks) of 10 credits will be carried out by students during summer vacation at the end of VI semester in various industries. The evaluation will be carried out in VII semester. The credits will be added in the VII semesters. Students opting MBA specialization should also carry out the industrial training program also.		
		Total Credits		**26**
		Total Contact Hours	**14-5-9**	

Integrated Dual Degree B. Tech. + M. Tech. / MBA - VII Semester				
S. No.	**Subject Code**	**Name of Subject**	**L-T-P**	**Credits**
	Theory Subjects			
1	ME 401	Power Plant Engineering	3-1-0	4
2	ME 403	Computer Aided Design	3-1-0	4
3	MEE 505 / MEM 509	Operation Research / Simulation, Modeling and Analysis	3-1-0	4
4		**Elective –I**	3-0-0	3
5		**Elective –II**	3-0-0	3
	Practical Labs			
6		**M. Tech. Specialization Lab I**	0-0-3	2
7	ME 413	Computer Aided Design Lab	0-0-3	2
8	ME 415	Seminar	0-0-3	2
9	ME 417	Industrial Training	4-6 Weeks	10
10	GP 401	General Proficiency		1
		Total Credits		**35**
		Total Contact Hours	**15-3-9**	

Integrated Dual Degree B. Tech. + M. Tech. / MBA - VIII Semester				
S. No.	**Subject Code**	**Name of Subject**	**L-T-P**	**Credits**
	Theory Subjects			
		Scheme of courses of II Semester of 2 years M. Tech Degree program as per relevant specialization.		

Integrated Dual Degree B. Tech. + M. Tech. / MBA - IX Semester				
S. No.	**Subject Code**	**Name of Subject**	**L-T-P**	**Credits**
	Theory Subjects			
		Scheme of courses of III Semester of 2 years M. Tech Degree program as per relevant specialization.		
	Practical Labs			
		Total Credits		
		Total Contact Hours		

Integrated Dual Degree B. Tech. + M. Tech. / MBA - X Semester				
S. No.	**Subject Code**	**Name of Subject**	**L-T-P**	**Credits**
	Theory Subjects			
	Practical Labs			
1	MEI 602	Dissertation	0-0-20*	21
2	GP 602	General Proficiency		1
		Total Credits		**22**
		Total Contact Hours		