

INDIAN INSTITUTE OF TECHNOLOGY TIRUPATI

M. Tech. Curriculum: Thermal Engineering and Energy Systems

From the Academic Year 2023-24

Semester-I

S.No.	Course Code	Course Name	L-T-P-C	Course Code (prior to Jul 2022)	Senate
1	ME515L	Advanced Fluid Mechanics	3-0-0-3	ME5104	9
2	ME601L	Advanced Thermodynamics	3-0-0-3	ME6021	20
3	ME516L	Convective Heat Transfer	3-0-0-3	ME5210	9
4	ME505M	Experimental Methods for Engineers	2-0-2-3	-	
5	MAE	Mathematics Elective	2-0-0-2	MAE	
6	DPE1	Department Elective - 1	3-0-0-3	DPE1	
7	ME535P	Fluids and Thermal Laboratory	0-0-2-1	ME5192	21
Total Credits			18		

Semester-II

S.No.	Course Code	Course Name	L-T-P-C	Course Code (prior to Jul 2022)	Senate
1	ME501M	Computational Fluid Dynamics	2-0-2-3	ME5101	20
2	DPE2	Department Elective - 2	3-0-0-3	DPE2	
3	DPE3	Department Elective - 3	3-0-0-3	DPE3	
4	FRE1	Free Elective - 1	3-0-0-3	FRE1	
5	FRE2	Free Elective - 2	3-0-0-3	FRE2	
Total Credits			15		

Semester-III

S.No.	Course Code	Course Name	L-T-P-C	Course Code (prior to Jul 2022)	Senate
1	ME5XXX	Design of Fluid-Thermal Equipment	0-0-0-2	-	
2	ME693G	Seminar	0-0-0-1	ME5210	4
3	ME691G	Project Phase - I	0-0-0-10	ME6150	4
Total Credits			13		

Semester-IV

S.No.	Course Code	Course Name	L-T-P-C	Course Code (prior to Jul 2022)	Senate
1	ME692G	Project Phase - II	0-0-0-15	ME6250	4
Total Credits			15		

Total Credits: 61