



IPS Academy, Indore, Institute of Engineering & Science

(A UGC Autonomous Institute, Affiliated to RGPV, Bhopal)

Scheme Based on AICTE Flexible Curricula



II Semester

Master of Technology (M. Tech.) [Chemical Engineering]

S. No.	Subject Code	Category	Subject Name	Maximum Marks Allotted					Total Marks	Contact Hours per week			Total Credits
				Theory			Practical			L	T	P	
				End Sem.	Mid Sem. Exam.	Quiz/ Assignment	End Sem.	Term work Lab Work & Sessional					
1.	PSCC-MTCH201	PSCC	Advance Heat Transfer	60	25	15	-	-	100	3	1	0	4
2.	PSCC-MTCH202	PSCC	Advanced Process Dynamics & Control	60	25	15	-	-	100	3	1	0	4
3.	PSEC-MTCH201	PSEC	Program Specific Elective Course-III	60	25	15	-	-	100	3	0	0	3
4.	OEC-MTCH201	OEC	Open Elective Course	60	25	15	-	-	100	3	0	0	3
5.	LC-MTCH201	LC	Advance Heat Transfer Lab	-	-	-	60	40	100	0	0	4	2
6.	LC-MTCH202	LC	Advanced Process Dynamics & Control Lab	-	-	-	60	40	100	0	0	4	2
7.	MLC-MTCH201	MLC	Research Methodology & IPR	60	25	15	-	-	100	2	0	0	2
8.	AUC-MTCH201	AUC	Audit Course-II	-	-	-	-	-	100	2	0	0	0
Total				300	125	75	120	80	800	16	02	08	20

Program Specific Elective Course-III	Open Elective Course	Audit Course-II
Introduction to Micro-fluidics and Micro-reactors	Energy Conservation & Audit	Soft Skills and Interpersonal Communication
Multiphase Reactor Engineering	Industrial Safety & Hazard Management	Communication Skills
Design of Piping Systems	Waste to Energy	Disaster Management
Advanced Nanotechnology	Composite Materials	Life Science