

# INDIAN INSTITUTE OF TECHNOLOGY TIRUPATI

M. Tech. Curriculum: Chemical Engineering

From the Academic Year 2023-2024

## Semester-I

S.No.	Course Code	Course Name	L-T-P-C	Course Code (prior to Jul 2022)	Senate
1	CH513L	Chemical Reactor Analysis and Design	3-0-0-3	-	23
2	CH514L	Mathematical Methods for Chemical Engineers	3-0-0-3	-	23
3	DPE1	Department Elective - 1	3-0-0-3	DPE1	
4	FRE1	Free Elective- 1	3-0-0-3	FRE1	
5	CH506M	Analytical Techniques and Instrumentation	2-0-3-4	CH5026	17
Total Credits			16		

## Semester-II

S.No.	Course Code	Course Name	L-T-P-C	Course Code (prior to Jul 2022)	Senate
1	CH517L	Transport Processes	3-0-0-3	-	23
2	CH515L	Molecular Thermodynamics	3-0-0-3	-	23
3	DPE2	Department Elective - 2	3-0-0-3	DPE2	
4	FRE2	Free Elective - 2	3-0-0-3	FRE2	
5	CH516M	Process Simulations Laboratory	0-1-3-3	-	23
6	CHXXXX	Professional Practice Lectures	- - - 1	-	
Total Credits			16		

## Semester-III

S.No.	Course Code	Course Name	L-T-P-C	Course Code (prior to Jul 2022)	Senate
1	CH694G	Seminar	- - - 2		
2	DPE3	Department Elective - 3	3-0-0-3	DPE3	
3	CH691G	Project Phase - I	- - - 10		
Total Credits			15		

## Semester-IV

S.No.	Course Code	Course Name	L-T-P-C	Course Code (prior to Jul 2022)	Senate
1	CH692G	Project Phase - II	- - - 15		
Total Credits			15		

**Total Credits: 61**