

**MAULANA AZAD NATIONAL INSTITUTE OF TECHNOLOGY
BHOPAL – 462003
REVISED SCHEME FOR BATCH ADMITTED IN 2019**

Department of Chemical Engineering

B. Tech. (Chemical Engineering)

SEVENTH SEMESTER

Course Code	Course Name	Scheme of Studies Periods per week			Credits
		L	T	P	
CH 411	Process Equipment Design & Drawing-II	3	-	-	3
	Department Elective-5(A)	3	-	-	3
	Department Elective-6(A)	3	-	-	3
	Department Elective-7(A)	3	-	-	3
	Open Elective-3(C)	3	-	-	3
	Open Elective-4(C)	3	-	-	3
CH 412	Process Equipment Design & Drawing Lab	-	-	2	1
CH 413	Major Project Phase 1	-	3	2	4
CH 414	Educational Tour & Training	-	-	2	1
Total Hours =27		18	3	6	24

EIGHTH SEMESTER

Course Code	Course Name	Scheme of Studies Periods per week			Credits
		L	T	P	
	Department Elective-8(A)	3	-	-	3
	Department Elective-9(A)	3	-	-	3
	Department Elective-10(A)	3	-	-	3
CH 421 / CH 422	Major Project Phase 2 / Internship	-	-	12	6
CH 423	General Proficiency	-	-	-	1
Total Hours =21		9	-	12	16

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LIST OF ELECTIVES

List of Department Electives - A	
1.	CH 431 Multiphase Reactions
2.	CH 432 Industrial Pollution Control
3.	CH 433 Computer Aided Process Control & Design
4.	CH 434 Process Piping Design
5.	CH 435 Fluidization Engineering
6.	CH 436 Fuels and Combustion
7.	CH 437 Industrial Catalysis
8.	CH 438 Multiphase Flow
9.	CH 439 Advanced Process Optimization
10.	CH 440 Computational Fluid Dynamics
11.	CH 441 Cleaner Technologies in Chemical Process Industries
12.	CH 442 Sustainability and Green Chemistry
13.	CH 443 Process Engineering & Costing
List of Open Electives - C	
1.	CH 451 Bio Energy Technology
2.	CH 452 Solid Waste Management
3.	CH 453 Optimization Techniques
4.	CH 454 Advanced Analytical Techniques
5.	CH 455 Industrial Safety & Hazard Management