

# ZAKIR HUSAIN COLLEGE OF ENGINEERING & TECHNOLOGY

## LIST OF REGISTERED COURSES (Updated on 24 May, 2022)

### B.Tech./B.Arch, Even semester, 2021-22

#### CHEMICAL ENGINEERING

S.No.	Course No.	Course Title	Categ.	Credit.	Mode a	Mode b	Mode c	Total
1	CHA2920	Unit Operations Laboratory-I	ESA	2	15	0	0	15
2	CHA3930	Unit Operation Laboratory-II	ESA	2	12	0	0	12
3	CHC2050	Chemical Engineering Thermodynamics	DC	4	18	1	0	19
4	CHC2060	Heat Transfer Operations	DC	4	18	0	0	18
5	CHC2070	Numerical Methods in Chemical Engg.	DC	4	18	0	0	18
6	CHC2910	Computer Programming Lab	DC	1.5	18	1	0	19
7	CHC2920	Fluid Mechanics Lab	DC	1.5	18	1	0	19
8	CHC2930	Mechanical Operations Lab	DC	1.5	18	1	0	19
9	CHC3130	Chemical Process Industries-I	DC	3	33	0	0	33
10	CHC3140	Process Equipment Design	DC	4	33	0	0	33
11	CHC3150	Process Dynamics and Control	DC	4	33	0	0	33
12	CHC3160	Energy Engineering and Management	DC	4	33	0	0	33
13	CHC3170	Chemical Reaction Engineering -II	DC	3	33	0	0	33
14	CHC3180	Transport Phenomena	DC	4	33	0	0	33
15	CHC3960	Mass Transfer Lab	DC	1.5	33	1	0	34
16	CHC3970	Chemical Engineering Design & Drawing	DC	1.5	33	0	0	33
17	CHC3980	Energy and Technology Lab	DC	1.5	33	0	0	33
18	CHC4230	Process Safety and Risk Analysis	DC	3	25	0	0	25
19	CHC4240	Modeling ,Simulation and Optimization	DC	3	25	1	0	26
20	CHC4910	Industrial Visit/ Training	DC	1.5	25	1	0	26
21	CHC4960	Project(Experimental/Computational)	DC	2	25	0	0	25
22	CHC4980	Plant Design Project B	DC	3	25	1	0	26
23	CHE4560	Industrial Pollution Control	DE	4	25	1	0	26
24	CHE4610	Colloidal and Surface Science	DE	4	3	0	0	3
25	CHE4710	CAD of Process Equipments	DE	4	23	0	0	23
26	CHH2130	Social,Cultural & Educational Movements of India	HM	3	18	0	0	18
27	CHO4260	MATLAB for Scientist & Engineers	OE	4	0	0	1	1