

In-depth Specialization in Chemical Process Engineering

Students who have registered for **B. Tech in Chemical Engineering** should complete 20 credits opting courses listed below. The credits shall be over and above minimum requirement for degree award. Courses shall be selected from single specialization area only.

Semester/Session (Recommended)	Course Level	Category of course	Course Code	Courses	Mode of delivery & credits L-Lecture; T-Tutorial; P-Practical			Total Credits C- Credits	
					L	T	P	C	
FIFTH (Monsoon)	Third	DS	THEORY						
			CL375	Multiphase flow	3	1	0	4	
			CL377	Advanced Computational Fluid Dynamics	3	1	0	4	
TOTAL							8		
SIXTH (Spring)	Third	DS	THEORY						
			CL379	Molecular Simulation	3	1	0	4	
			CL381	Process Integration	3	1	0	4	
TOTAL							8		
SEVENTH (Monsoon)	Fourth	DS	THEORY						
			CL450	Project & Viva	0	0	8	4	
TOTAL							4		
GRAND TOTAL								20	
<i>(Minimum requirement for in-depth specialization award)</i>									

In-depth Specialization in Polymer Technology

Students who have registered for **B. Tech in Chemical Engineering** should complete 20 credits opting courses listed below. The credits shall be over and above minimum requirement for degree award. Courses shall be selected from single specialization area only.

Semester/Session (Recommended)	Course Level	Category of course	Course Code	Courses	Mode of delivery & credits L-Lecture; T-Tutorial; P-Practical			Total Credits	
					L	T	P	C	
FIFTH (Monsoon)	Third	DS	THEORY						
			CL383	Introduction to Polymer Science	4	0	0	4	
			CL385	Polymer Technology - 1	4	0	0	4	
TOTAL							8		
SIXTH (Spring)	Third	DS	THEORY						
			CL387	Polymer Processing Technology	3	1	0	4	
			CL389	Polymer Technology - II	4	0	0	4	
TOTAL							8		
SEVENTH (Monsoon)	Fourth	DS	CL452	Project & Viva	0	0	8	4	
			TOTAL						
GRAND TOTAL							20		
<i>(Minimum requirement for in-depth specialization award)</i>									