

## Course to PO Matrix Map

Code	Course	Core /Elective	Programme Outcomes											
			1	2	3	4	5	6	7	8	9	10	11	12
EKC107	Organic Chemistry	Core	/	/							/	/		
EKC108	Physical and Analytical Chemistry	Core	/	/										/
EKC109	Project Management	Core			/		/			/	/	/	/	/
EKC111	Mass Balance	Core	/	/	/		/				/	/		
EKC157	Chemical Engineering Drawing	Core	/	/			/				/	/		
EKC212	Fluid Flow in Chemical Engineering	Core	/	/	/						/	/		
EKC214	Energy Balance	Core	/	/			/				/	/		
EKC216	Process Heat Transfer	Core	/	/	/						/	/		
EKC217	Mass Transfer	Core	/	/	/						/	/		
EKC222	Chemical Engineering Thermodynamics	Core	/	/	/						/	/		
EKC245	Mathematical Methods for Chemical Engineering	Core	/	/										
EKC246	Computer Programming and Applications	Core	/	/	/		/							
EKC271	Biotechnology for Engineers	Core	/	/	/		/							
EKC291	Chemical Engineering Laboratory I	Core	/	/							/	/		
EKC314	Transport Phenomena	Core	/	/			/				/	/		/
EKC316	Separation Processes	Core	/	/	/						/	/		

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			1	2	3	4	5	6	7	8	9	10	11	12
EKC336	Chemical Reaction Engineering	Core	/	/	/		/				/	/		
EKC338	Reactor Design and Analysis	Core	/	/	/		/				/	/		/
EKC361	Process Dynamics and Control	Core	/	/	/		/				/	/		
EKC367	Plant Safety	Core			/	/	/	/	/	/	/	/		/
EKC375	Environmental Engineering and Management	Core	/	/	/		/				/	/		/
EKC394	Chemical Engineering Laboratory II	Core	/	/		/	/				/	/	/	/
EKC395	Industrial Training	Core					/				/	/		/
EKC451	Process Design and Analysis	Core	/	/	/	/	/	/	/	/		/	/	/
EKC453	Process Design and Economics	Core	/	/	/	/	/	/	/	/		/	/	/
EKC493	Chemical Engineering Laboratory III	Core	/	/		/	/				/	/	/	/
EKC499	Final Year Project	Core	/	/		/	/	/	/	/	/	/	/	/
EKC376	Downstream Processing of Biochemical and Pharmaceutical Products	Elective	/	/		/						/		/
EKC377	Renewable and Alternative Energy	Elective	/	/		/		/	/		/			/
EKC462	Advanced Control Systems For Industrial Processes	Elective	/	/		/						/		/
EKC463	Advanced Process Safety Engineering	Elective	/	/		/		/	/		/	/		/
EKC475	Wastewater Treatment Engineering	Elective	/	/	/			/	/			/		/
EKC483	Petroleum and Gas Processing Engineering	Elective	/	/		/						/		/

