

Process Engineering Programme Structure (Part Time)
 AY 2024/2025

Year 1	Semester 1	Module Code	Module Name	Credit Value	Semester 2	Module Code	Module Name	Credit Value
		PT-TPIC	Process Instrumentation & Control	10		PT-TMATH	Technical Maths	10
		PT-TICHEM	Industrial Chemistry	10		PT-TPT	Process Troubelshooting	10
		PT-TAFM	Applied Fluid Mechanics	10		PT-TPTS	Process Technology Systems	10
		PT-TEMD	Electrical Machines & Drives	10		PT-TCET	Chemical Engineering Thermodynamics	10

Year 2	Semester 3	Module Code	Module Name	Credit Value	Pre-Requisite	Semester 4	Module Code	Module Name	Credit Value	Pre-Requisite
		PT-TMATH-III-I	Applied Math for Process Engineering	10	PT-TMATH *		PT-TPSEB	Process System Energy Balance	10	PT-TCPC
		PT-TEM	Engineering Materials	10			PT-TACHEM	Analytical Chemistry	10	
		PT-TCPC	Chemical Process Calculations	10			PT-THTHE	Heat Transfer & Heat Exchangers	10	PT-TAFM* + PT-TCET*
		PT-TAP-I	Apprenticeship-I	30			PT-TAP-II	Apprenticeship-II	30	

Year 3	Semester 5	Module Code	Module Name	Credit Value	Pre-Requisite	Semester 6	Module Code	Module Name	Credit Value	Pre-Requisite
		PT-TSCOL	Separation Columns	10	PT-TCPC + PT-TPSEB		PT-TSQC	Statistical Quality Control	10	PT-TMATH*
		PT-TPEE	Process Engineering Economics	10	PT-TCPC		PT-TIBM	Industrial Business Management	10	
		PT-TPED	Process Equipment's Design	10	PT-TCPC		PT-TPUSS	Process Unit Start-up & Shut Down	10	PT-TPTS*
		PT-TPS	Process System Safety	10			PT-TENG-V	Business Correspondence & Communication	10	
		PT-TPRO-I	Final Year Project-I	20	PT-TCPC + PT-TPSEB		PT-TPRO-II	Final Year Project-II	20	PT-TPRO-I

*This pre-requisite is only applicable for those who join our bachelor program with diploma that was obtained from other field different from Process/Chemical Eninnering and have to take bridging modules in year 1