

Programme Structure/Study Plan

FIRST YEAR – Semester – 01

Module	Descriptive title	Credit
TENG-I	Technical English-I	5
TMATH-I	Technical Math-I	10
TCHEM	General Chemistry	10
TPHYS	Applied Physics	10
TIPT	Introduction to Process Technology	10
THSE	Health, Safety & Environment	10
TED	Engineering Drawing	5
	Sub total	60

FIRST YEAR - Semester – 02

Module	Descriptive title	Credit
TENG-II	Technical English-II	5
TMATH-II	Technical Math-II	10
TEC	Engineering Chemistry	10
TBEEE	Basic Electrical & Electronics Engineering	10
TCOMP	Computer Applications	5
TPME	Process Mechanical Equipment's	10
TBWP	Basic Workshop Practice	10
	Sub total	60

SECOND YEAR - Semester – 03

Module	Descriptive title	Credit
TENG-III	Technical English-III	10
TEMD	Electrical Machines & Drives	10
TPI	Process Instrumentation	10
TPSC	Process Simulation & Control	10
TAFM	Applied Fluid Mechanics	10
TMTP	Machine Tools Practice	10
	Sub total	60

SECOND YEAR - Semester – 04

Module	Descriptive title	Credit
TENG-IV	Technical English-IV	10
TCET	Chemical Engineering Thermodynamics	10
TICHEM	Industrial Chemistry	10
TPC	Process Control	10
TPTS	Process Technology & Systems	10
TPT	Process Troubleshooting	10
	Sub total	60

THIRD YEAR - Semester – 05

Module	Descriptive title	Credit
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TMATH-III	Applied Math for Process Engineering	10
TACHEM	Analytical Chemistry	10
TPSS	Process System Safety	10
TEM	Engineering Materials	10
TCPC	Chemical Process Calculations	10
TPSEB	Process Systems Energy Balance	10
	Sub total	60

THIRD YEAR - Semester – 06

Module	Descriptive title	Credit
TAP	Apprenticeship	60

TAP - Internship - 16 weeks (12 weeks practical training in process industry & 4 weeks writing and delivering a presentation)

The apprenticeship component provides the student with an opportunity to apply new skills and concepts appropriate for entry-level positions within the occupation of process operations. Students will assess their own performance and be evaluated by IMCO supervisor and an industry partner. The supervisor and the industry partner will identify specific tasks and outcomes of the training during the work experience. Students will be required to submit an apprenticeship report and deliver an oral presentation.

FOURTH YEAR - Semester – 07

Module	Descriptive title	Credit
TENG-V	Business Correspondence & Communication	10
TSQC	Statistical Quality Control	10
TSCOL	Separation Columns	10
THTHE	Heat Transfer & Heat Exchangers	10
TPEE	Process Engineering Economics	10
TPED	Process Equipment's Design	10
	Sub total	60

FOURTH YEAR - Semester – 08

Module	Descriptive title	Credit
TPUSS	Process Unit Start-up & Shut Down	10
TIBM	Industrial Business Management	10
TPRO	Project work	40
	Sub total	60