

College: College of Applied Industrial Technology (CAIT)
Department: Chemical Engineering Technology (CHET)
Program: Chemical Engineering Technology (CHET)
Degree Awarded: Diploma in Chemical Engineering Technology
Credit Units: 70 Academic Credit Units

First Academic Year

First Level				Weekly Contact Hours			
Course Code	Course Name	Pre	Cr. U	Lec	Lab	Tut	Tot
101ENGD	English Language 1	---	6	10	5	--	15
191CSC	Computer Essentials	---	1	--	2	--	2
191MATH	Mathematics - I	---	2	1	--	2	3
191PHYS	General Physics	---	2	1	2	--	3
111CBS	Industrial Safety and Environment	---	1	--	2	--	2
192CHEM	General Chemistry	---	2	1	2	--	3
Total	6 Courses		14	13	13	2	28

Exit Point
English Language Certificate

Second Level				Weekly Contact Hours			
Course Code	Course Name	Pre	Cr. U	Lec	Lab	Tut	Tot
102ENGD	English Language 2	101ENGD	6	10	5	--	15
111CHET	Introduction to Chemical Engineering Technology	---	3	2	2	--	4
112CHET	Applied Organic Chemistry	192CHEM	3	2	2	--	4
113CHET	Methods of Chemical Analysis	192CHEM	2	1	2	--	3
Total	4 Courses		14	15	11	--	26

Exit Point
English Language Certificate

Third Level				Weekly Contact Hours			
Course Code	Course Name	Pre	Cr. U	Lec	Lab	Tut	Tot
203ENGD	Communication Skills	102ENGD	2	1	2	--	3
114CHET	Momentum Transfer	111CHET	2	1	2	--	3
115CHET	Equipment Design & Drawing	---	2	1	2	--	3
191CHET	Graduation Project in Chemical Engineering Technology – I	20 Cr. U*	1	--	2	--	2
Total	4 Courses		7	3	8	--	11

* Cr. U: Credit Unit
Exit Point
English Language Certificate

Summer Semester				Weekly Contact Hours			
Course Code	Course Name	Pre	Cr. U	Lec	Lab	Tut	Tot
181CHET	COOP Training in Chemical Engineering Technology – I	20 Cr. U*	2	--	40	--	40
Total	1 Course		2	--	40	--	40

Exit Point
Associate Diploma in Chemical Engineering Technology

College: College of Applied Industrial Technology (CAIT)
Department: Chemical Engineering Technology (CHET)
Program: Chemical Engineering Technology (OSH)
Degree Awarded: Diploma in Chemical Engineering Technology
Credit Units: 70 Academic Credit Units

Second Academic Year

Fourth Level				Weekly Contact Hours			
Course Code	Course Name	Pre	Cr. U	Lec	Lab	Tut	Tot
292MATH	Mathematics – II	191MATH	3	2	--	2	3
204ENGD	Technical English	102ENGD	2	1	2	--	2
221CHET	Separation Process	192CHEM	3	2	2	--	3
231CHET	Environmental Pollution	---	2	1	2	--	3
222CHET	Chemical Engineering Thermodynamics	191PHYS	3	2	2	--	3
Total	5 Courses		13	8	8	2	18

Exit Point
Associate Diploma in Chemical Engineering Technology
+ Professional Certificate

Fifth Level				Weekly Contact Hours			
Course Code	Course Name	Pre	Cr. U	Lec	Lab	Tut	Tot
294MATH	Applied Statistics	292MATH	2	1	--	2	3
293MATH	Calculus	292MATH	3	2	--	2	4
223CHET	Process Heat Transfer	222CHET	2	1	2	--	3
224CHET	Mass Transfer Operations	114CHET	3	2	2	--	4
232CHET	Petroleum Refining and Testing	221CHET	3	2	2	--	4
233CHET	Process Installation and Control	114CHET	3	2	2	--	4
Total	6 Courses		16	10	8	4	22

Exit Point
Associate Diploma in Chemical Engineering Technology
+ Professional Certificate

Sixth Level				Weekly Contact Hours			
Course Code	Course Name	Pre	Cr. U	Lec	Lab	Tut	Tot
291CHET	Graduation Project in Chemical Engineering Technology – II	40 Cr. U*	2	--	4	--	4
281CHET	COOP Training in Chemical Engineering Technology – II	40 Cr. U*	2	--	40	--	40
Total	2 Courses		4	--	4+40	--	4+40

* Cr. U: Credit Unit

Exit Point
Intermediate Diploma in Chemical Engineering Technology