

College: College of Applied Industrial Technology (CAIT)
Department: Electrical Engineering Technology (EET)
Program: Electrical Power Engineering Technology (EPET)
Degree Awarded: Diploma in Electrical Power Engineering Technology
Credit Units: 72 Academic Credit Units

First Academic Year

First Level				Weekly Contact Hours				
Course Code	Course Name	Pre	Cr. U	Lec	Lab	Tut	Tot	
101ENG	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	
102ENG	English Language 2	101ENG	6	10	5	--	15	
111EPET	Electric Circuit – I	---	3	2	2	--	4	
121EPET	Electronics	191PHYS	2	1	2	--	3	
126EPET	Electrical Troubleshooting and Maintenance	111EPET* (Co-Req)	3	2	2	--	4	
Total	4 Courses		14	15	11	--	26	* 111EPET Co-Requisite Exit Point English Language Certificate

Third Level				Weekly Contact Hours				
Course Code	Course Name	Pre	Cr. U	Lec	Lab	Tut	Tot	
203ENG	Communication Skills	102ENG	2	1	2	--	3	
115EPET	Electrical Systems and Layout	111EPET	3	2	2	--	4	
125EPET	Electrical Control and Protection	111EPET	3	2	2	--	4	
191EPET	Graduation Project in Electrical Power Engineering Technology – I	20 Cr. U*	1	--	2	--	2	
Total	4 Courses		9	5	8	--	13	* 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	
181EPET	COOP Training in Electrical Power Engineering Technology – I	20 Cr. U*	2	--	40	--	40	
Total	1 Courses		2	--	40	--	40	* Cr. U: Credit Unit Exit Point Associate Diploma in Electrical Power Engineering Technology

College: College of Applied Industrial Technology (CAIT)
Department: Electrical Engineering Technology (EET)
Program: Electrical Power Engineering Technology (EPET)
Degree Awarded: Diploma in Electrical Power Engineering Technology
Credit Units: 72 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	4
204ENG	Technical English	102ENG	2	1	2	--	3
212EPET	Electrical Machines – I	111EPET	3	2	2	--	4
222EPET	Digital Electronics	121EPET	2	1	2	--	3
224EPET	Control System Components	222EPET* (Co-Req)	2	1	2	--	3
223EPET	Basic Industrial Electronics	121EPET	3	2	2	--	4
Total	6 Courses		15	9	10	2	21

* 222EPET Co-Requisite

Exit Point
Associate Diploma in Electrical
Power 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
213EPET	Electrical Machines – II	212EPET	3	2	2	--	4
226EPET	Motor Control System	212EPET	3	2	2	--	4
214EPET	Power Generation Transmission	125EPET	3	2	2	--	4
Total	5 Courses		14	9	6	4	19

Exit Point
Associate Diploma in Electrical
Power Engineering Technology
+ Professional Certificate

Sixth Level				Weekly Contact Hours			
Course Code	Course Name	Pre	Cr. U	Lec	Lab	Tut	Tot
291EPET	Graduation Project in Electrical Power Engineering Technology – II	40 Cr. U*	2	--	4	--	4
281MMET	COOP Training in Electrical Power Engineering Technology – II	40 Cr. U*	2	--	40	--	40
Total	6 Courses		4	--	4+40	--	4+40

* Cr. U: Credit Unit

Exit Point
Intermediate Diploma in Electrical
Power Engineering Technology