

College: College of Applied Industrial Technology (CAIT)
Department: Mechanical Engineering Technology (MET)
Program: Mechanical Maintenance Engineering Technology (MMET)
Degree Awarded: Graduate Diploma (GD) in Mechanical Maintenance Engineering Technology
Credit Units: 92 Academic Credit Units

Preparatory Year															
First Semester			Quarterly Summer				Second Semester			Quarterly					
Course Code	Course Name	Pre	Cr. U	Weekly Contact Hours				Course Code	Course Name	Pre	Cr. U	Weekly Contact Hours			
				Lec	Lab	Tut	Tot					Lec	Lab	Tut	Tot
000 ENG	English Language – I	--	2	5	15	0	20	002 ENG	English Language – II	001 ENG	3	5	15	0	20
001 ENG	English Language – II	000 ENG	3	5	15	0	20	003 ENG	English Language – II	002 ENG	3	5	15	0	20
091 MATH	Mathematics – I	--	4	3	0	2	5	004 ENG	English Language – II	003 ENG	3	5	15	0	20
011 MMET	Engineering Drawing	--	2	0	5	0	5	092 MATH	Mathematics – II	091 MATH	4	3	0	2	5
001 CBS	Study Skills	--	1	1	0	0	1	091 PHYS	General Physics	--	4	3	2	0	5
Total	5 Courses		12	9	20	2	31	Total	4 Courses		14	11	17	2	30
									1 Course		3	5	15	0	20

Freshman Year															
First Semester						Second Semester									
Course Code	Course Name	Pre	Cr. U	Weekly Contact Hours				Course Code	Course Name	Pre	Cr. U	Weekly Contact Hours			
				Lec	Lab	Tut	Tot					Lec	Lab	Tut	Tot
193 ENG	Technical English	004 ENG	3	2	3	0	5	194 ENG	Communication Skills	004 ENG	3	2	3	0	5
001 COM	Computer Essentials	--	1	0	3	0	3	195 MATH	Applied Statistics	092 MATH	2	1	0	1	2
193 MATH	Calculus	092 MATH	3	2	0	2	4	103 SLM	Islamic Culture	--	2	2	0	0	2
191 CHEM	General Chemistry	--	3	2	2	0	4	114 MMET	Fluid Mechanics	091 PHYS	2	1	3	0	4
112 MMET	Workshop Technology	011 MMET	3	1	4	0	5	116 MMET	Engineering Drawing II	011 MMET	1	0	3	0	3
111 EPET	Electric Circuit I	091 PHYS	3	2	2	0	4	121 MMET	Introduction to Engineering Materials	091 PHYS	3	2	2	0	4
115 MMET	Applied Mechanics	092 MATH	2	1	0	1	2	122 MMET	Strength of Material	115 MMET	2	1	3	0	4
Total	7 Courses		18	10	14	3	27	Total	7 Courses		15	9	14	1	24
Internship Semester															
Course Code	Course Name	Pre	Cr. U	Weekly Contact Hours											
8 MMET	Elective Group 5	194 ENG Cr Units [#]	2	0	40	0	40								
Total	1 Course		2	0	40	0	40								

181 MMET 50 Credit Units for unsponsored students.
 #282 MMET 70 Credit Units for sponsored students.

Sophomore Year															
First Semester						Second Semester									
Course Code	Course Name	Pre	Cr. U	Weekly Contact Hours				Course Code	Course Name	Pre	Cr. U	Weekly Contact Hours			
				Lec	Lab	Tut	Tot					Lec	Lab	Tut	Tot
295 ENG	Technical Report Writing	004 ENG	1	0	3	0	3	203 CBS	Organizational Behaviour and Ethics	--	1	1	0	0	1
213 MMET	Industrial Safety and Environment	--	1	0	3	0	3	232 MMET	Hydraulics and Pneumatics	114 MMET	2	1	3	0	4
216 MMET	Applied Thermodynamics	091 PHYS	3	2	2	0	4	233 MMET	Welding and Inspection	112 MMET	3	2	3	0	5
231 MMET	Metrology and Quality Control	112 MMET	3	2	3	0	5	26* MMET	Elective Group 3	Acc. to Course	3	2	2	0	4
24* MMET	Elective Group 1	Acc. to Course	3	2	2	0	4	27* MMET	Elective Group 4	Acc. to Course	3	2	2	0	4
25* MMET	Elective Group 2	Acc. to Course	3	2	2	0	4	291 MMET	Mechanical Maintenance Engineering Technology Project	Credit Units	2	0	5	0	5
Total	6 Courses		14	8	15	0	23	Total	6 Courses		14	8	15	0	23

* It means the elective course from 1 to 5 within each group and according to sponsorship.

Discipline	Course Code	Pre-Requisite	Course name	Credit Units	Contact Hours
Elective Group 1 (24*)	241 MMET	122 MMET	Machine Elements (Elective 11)	3	4
	242 MMET		Elective Course 12		
	243 MMET		Elective Course 13		
	244 MMET		Elective Course 14		
	245 MMET		Elective Course 15		
Elective Group 2 (25*)	251 MMET	112 MMET	Plant Maintenance (Elective 21)	3	4
	252 MMET		Elective Course 22		
	253 MMET		Elective Course 23		
	254 MMET		Elective Course 24		
	255 MMET		Elective Course 25		
Elective Group 3 (26*)	261 MMET	216MMET	Power Generation Systems (Elective 31)	3	4
	262 MMET		Elective Course 32		
	263 MMET		Elective Course 33		
	264 MMET		Elective Course 34		
	265 MMET		Elective Course 35		
Elective Group 4 (27*)	271 MMET	216MMET	Refrigeration and AC Technology (Elective 41)	3	4
	272 MMET		Elective Course 42		
	273 MMET		Elective Course 43		
	274 MMET		Elective Course 44		
	275 MMET		Elective Course 45		
Elective Group 5 (*8*)	181 MMET	194 ENG & Cr Unit	Co-Op Training	2	40
	282 MMET		On-the-Job Training		
Total of Elective Courses			5 Courses	14	56

* It means the elective course from 1 to 5 within each group and according to sponsorship.