



Republic of the Philippines
MINDANAO UNIVERSITY OF SCIENCE AND TECHNOLOGY
 Lapasan, Cagayan De Oro City

COLLEGE OF INDUSTRIAL & INFORMATION TECHNOLOGY
B.S. in Electrical Technology & Management
BSETM

SUBJECT CODE	DESCRIPTIVE TITLE	HOUR		UNIT			PRE-REQUISITE	CO-REQUISITE
		LAB	LEC	LAB	LEC	CREDIT		
<u>1ST YEAR - 1ST SEMESTER</u>								
ETM 10	Basic Electricity	3.0	3.0	1.0	3.0	4.0		
ETM 11	Residential Wiring	3.0	3.0	1.0	3.0	4.0		
MATH13a	College Algebra	0.0	5.0	0.0	5.0	5.0		
CHEM10a	General Chemistry 1	3.0	3.0	1.0	3.0	4.0		
ENGL11	Study & Thinking Skills	0.0	3.0	0.0	3.0	3.0		
DRWG10a	Fundamentals of Drawing	3.0	1.0	1.0	1.0	2.0		
PD10	Essence of Personality	0.0	1.0	0.0	1.0	1.0		
NSTP10	ROTC/CWTS/LTS 1	0.0	3.0	0.0	3.0	3.0		
		<u>12.0</u>	<u>22.0</u>	<u>4.0</u>	<u>22.0</u>	<u>26.0</u>		
<u>1ST YEAR - 2ND SEMESTER</u>								
ETM 12	Electronic Workshop	3.0	3.0	1.0	3.0	4.0		
ETM 13	Commercial Wiring & Appliance Servicing	3.0	3.0	1.0	3.0	4.0		
MATH17	Plane Trigonometry	0.0	3.0	0.0	3.0	3.0		
CHEM11a	General Chemistry 2	3.0	3.0	1.0	3.0	4.0		
ENGL20	Writing Across Disciplines	0.0	3.0	0.0	3.0	3.0		
DRWG11a	Elementary Project Design	3.0	1.0	1.0	1.0	2.0		
PD20	Social Graces & Social Relations	0.0	1.0	0.0	1.0	1.0		
NSTP20	ROTC/CWTS/LTS 2	0.0	3.0	0.0	3.0	3.0		
		<u>12.0</u>	<u>20.0</u>	<u>4.0</u>	<u>20.0</u>	<u>24.0</u>		
<u>2ND YEAR - 1ST SEMESTER</u>								
ETM 20	Electro-Mechanical Construction 1	3.0	3.0	1.0	3.0	4.0		
ETM 21	Industrial Wiring	3.0	3.0	1.0	3.0	4.0		
MATH32b	Differential Calculus w/ Analytic Geometry	0.0	5.0	0.0	5.0	5.0		
PHYS10a	General Physics 1	3.0	3.0	1.0	3.0	4.0		
ENGL30	Speech & Oral Communication	0.0	3.0	0.0	3.0	3.0		
SS10a	New Constitution	0.0	3.0	0.0	3.0	3.0		
		<u>9.0</u>	<u>20.0</u>	<u>3.0</u>	<u>20.0</u>	<u>23.0</u>		
<u>2ND YEAR - 2ND SEMESTER</u>								
ETM 22	Industrial Control	3.0	3.0	1.0	3.0	4.0		
ETM 23	Electric Circuits	3.0	3.0	1.0	3.0	4.0		
MATH34a	Integral Calculus	0.0	5.0	0.0	5.0	5.0		
PHYS11a	General Physics 2	3.0	3.0	1.0	3.0	4.0		
ENGL40	Technical Writing & Reporting	0.0	3.0	0.0	3.0	3.0		
HUM11b	Logic & Ethics	0.0	3.0	0.0	3.0	3.0		
		<u>9.0</u>	<u>20.0</u>	<u>3.0</u>	<u>20.0</u>	<u>23.0</u>		
<u>2ND YEAR - SUMMER</u>								
ETM 24	On the Job Training 1	0.0	0.0	0.0	6.0	6.0		
		<u>0.0</u>	<u>0.0</u>	<u>0.0</u>	<u>6.0</u>	<u>6.0</u>		
<u>3RD YEAR - 1ST SEMESTER</u>								
ETM 30	Electromechanical Construction 2	3.0	3.0	1.0	3.0	4.0		
ETM 31	Electrical Machines & Drives Elements	3.0	3.0	1.0	3.0	4.0		
PSYC20	Applied Psychology	0.0	3.0	0.0	3.0	3.0		
ENVI10	Environmental Science	0.0	3.0	0.0	3.0	3.0		
SS20	Rizal's Life, Works & Writings	0.0	1.0	0.0	1.0	1.0		
CADD10b	Basic CADD	3.0	1.0	1.0	1.0	2.0		
ENGL54	Culture, Arts & Literature	0.0	3.0	0.0	3.0	3.0		
MATH37	Applied Mathematics	0.0	3.0	0.0	3.0	3.0		
		<u>9.0</u>	<u>20.0</u>	<u>3.0</u>	<u>20.0</u>	<u>23.0</u>		

SUBJECT CODE	DESCRIPTIVE TITLE	H O U R		U N I T			PRE-REQUISITE	CO-REQUISITE
		LAB	LEC	LAB	LEC	CREDIT		
<u>3RD YEAR - 2ND SEMESTER</u>								
ETM 32	Sensors & Actuators Technology	3.0	3.0	1.0	3.0	4.0		
ETM 33	Introduction to Clean Room Technology	0.0	3.0	0.0	3.0	3.0		
ETM 34	Philippine Electrical/Electronic Code	0.0	3.0	0.0	3.0	3.0		
MATH20	Elementary Statistics	0.0	3.0	0.0	3.0	3.0		
SS30	General Economics, Taxation & Agrarian Reform	0.0	3.0	0.0	3.0	3.0		
COMP15	Fundamentals of Programming	3.0	1.0	1.0	1.0	2.0		
INDTECH30	Business Management & Entrepreneurship	0.0	3.0	0.0	3.0	3.0		
INDTECH60	Methods of Research	0.0	3.0	0.0	3.0	3.0		
		<u>6.0</u>	<u>22.0</u>	<u>2.0</u>	<u>22.0</u>	<u>24.0</u>		
<u>3RD YEAR - SUMMER</u>								
ETM 35	On the Job Training 2	0.0	0.0	0.0	6.0	6.0		
		<u>0.0</u>	<u>0.0</u>	<u>0.0</u>	<u>6.0</u>	<u>6.0</u>		
<u>4TH YEAR - 1ST SEMESTER</u>								
ETM 40	Process & Factory Automation	3.0	2.0	1.0	2.0	3.0		
ETM 41	Research Project 1	0.0	3.0	0.0	3.0	3.0		
ETM 43	Seminars & Field Trips	3.0	0.0	1.0	0.0	1.0		
ETM 44	Power Distribution & Protection	3.0	3.0	1.0	3.0	4.0		
MDF10	Mechanical Workshop Practice 1	3.0	2.0	1.0	2.0	3.0		
INDTECH10	Industrial Economics	0.0	3.0	0.0	3.0	3.0		
INDTECH40	Industrial Management & Operations	0.0	3.0	0.0	3.0	3.0		
		<u>12.0</u>	<u>16.0</u>	<u>4.0</u>	<u>16.0</u>	<u>20.0</u>		
<u>4TH YEAR - 2ND SEMESTER</u>								
ETM 42	Research Project 2	0.0	3.0	0.0	3.0	3.0		
ETM 45	Power System Analysis	3.0	2.0	1.0	2.0	3.0		
ETM 46	Programmable Logic Controllers	3.0	2.0	1.0	2.0	3.0		
ETM 47	Electrical Installation Design	3.0	2.0	1.0	2.0	3.0		
INDTECH51	Quality Assurance	0.0	3.0	0.0	3.0	3.0		
		<u>9.0</u>	<u>12.0</u>	<u>3.0</u>	<u>12.0</u>	<u>15.0</u>		