



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

COLLEGE OF TECHNOLOGY

B.S. in Electronics & Communications Technology
Bachelor of Science in Electronics and Communication Technology

SUBJECT CODE	DESCRIPTIVE TITLE	H O U R		U N I T		PRE-REQUISITE	CO-REQUISITE
		LAB	LEC	LAB	LEC		
1ST YEAR - 1ST SEMESTER							
ECT10	Basic Electronics 1	3.0	2.0	1.0	2.0	3.0	
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 and Thinking Skills	0.0	3.0	0.0	3.0	3.0	
SS10a	New Constitution	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>9.0</u>	<u>21.0</u>	<u>3.0</u>	<u>21.0</u>	<u>24.0</u>	
1ST YEAR - 2ND SEMESTER							
ECT11	Basic Electronics 2	3.0	2.0	1.0	2.0	3.0	
MATH17	Plane Trigonometry	0.0	3.0	0.0	3.0	3.0	MATH13a
HUM11b	Logic & Ethics	0.0	3.0	0.0	3.0	3.0	
ENGL20	Writing Across Disciplines	0.0	3.0	0.0	3.0	3.0	ENGL11
SS20a	Rizal's Life, Works & Writings	0.0	3.0	0.0	3.0	3.0	
DRWG12	Elementary Project Design	3.0	1.0	1.0	1.0	2.0	DRWG10a
PD20	Social Graces & Social Relations	0.0	1.0	0.0	1.0	1.0	PD10
NSTP20	ROTC/CWTS/LTS 2	0.0	3.0	0.0	3.0	3.0	NSTP10
		<u>6.0</u>	<u>19.0</u>	<u>2.0</u>	<u>19.0</u>	<u>21.0</u>	
2ND YEAR - 1ST SEMESTER							
ECT20	Electronics Devices 1	3.0	2.0	1.0	2.0	3.0	ECT11
ECT21	Digital Electronics 1	3.0	2.0	1.0	2.0	3.0	ECT11
MATH32b	Differential Calculus w/ Analytic Geometry	0.0	5.0	0.0	5.0	5.0	MATH17
PHYS10a	General Physics 1 - Mechanics and Heat	3.0	3.0	1.0	3.0	4.0	MATH13a, MATH17
ENGL30	Speech & Oral Communication	0.0	3.0	0.0	3.0	3.0	ENGL20
SS30	General Economics, Taxation & Agrarian Reform	0.0	3.0	0.0	3.0	3.0	
CADD10b	Basic CADD	3.0	1.0	1.0	1.0	2.0	DRWG12
		<u>12.0</u>	<u>19.0</u>	<u>4.0</u>	<u>19.0</u>	<u>23.0</u>	
2ND YEAR - 2ND SEMESTER							
ECT22	Electronics Devices 2	3.0	2.0	1.0	2.0	3.0	
ECT23	Consumer Electronics	3.0	2.0	1.0	2.0	3.0	
ECT24	Digital Electronics 2	3.0	2.0	1.0	2.0	3.0	ECT10
MATH34a	Integral Calculus	0.0	5.0	0.0	5.0	5.0	MATH17, MATH32b
ENGL40	Technical Writing & Reporting	0.0	3.0	0.0	3.0	3.0	ENGL30
PSYC20	Applied Psychology	0.0	3.0	0.0	3.0	3.0	
PHYS11a	General Physics 2 - Electricity and Magnetism	3.0	3.0	1.0	3.0	4.0	PHYS10a
		<u>12.0</u>	<u>20.0</u>	<u>4.0</u>	<u>20.0</u>	<u>24.0</u>	
2ND YEAR - SUMMER							
ECT26	On the Job Training	0.0	6.0	0.0	6.0	6.0	ECT22, ECT23
		<u>0.0</u>	<u>6.0</u>	<u>0.0</u>	<u>6.0</u>	<u>6.0</u>	

SUBJECT CODE	DESCRIPTIVE TITLE	H O U R		U N I T		PRE-REQUISITE	CO-REQUISITE
		LAB	LEC	LAB	LEC		
3RD YEAR - 1ST SEMESTER							
ECT30	Principles of Communications	3.0	2.0	1.0	2.0	3.0	ECT22
ECT31	PC Systems	3.0	2.0	1.0	2.0	3.0	ECT21, ECT23
ECT32	Data Communications	0.0	3.0	0.0	3.0	3.0	ECT21
MATH38	Differential Equations	0.0	3.0	0.0	3.0	3.0	MATH34a
INDTECH10	Industrial Economics	0.0	3.0	0.0	3.0	3.0	MATH13a
COMP21	Computer Programming 1	3.0	3.0	1.0	3.0	4.0	ECT21
ENV110	Environmental Science	0.0	3.0	0.0	3.0	3.0	CHEM10a
		<u>9.0</u>	<u>19.0</u>	<u>3.0</u>	<u>19.0</u>	<u>22.0</u>	
3RD YEAR - 2ND SEMESTER							
ECT33	Communication Systems 1	3.0	2.0	1.0	2.0	3.0	ECT30
ECT34	Instrumentation & Control	3.0	2.0	1.0	2.0	3.0	ECT22
EMT31	Electro-Pneumatics w/ PLC Programming	3.0	2.0	1.0	2.0	3.0	ECT22, ECT24
MATH20	Elementary Statistics	0.0	3.0	0.0	3.0	3.0	MATH13a
INDTECH60	Methods of Research	0.0	3.0	0.0	3.0	3.0	
COMP22	Computer Programming 2	3.0	3.0	1.0	3.0	4.0	COMP21
ENGL54	Culture, Arts & Literature	0.0	3.0	0.0	3.0	3.0	ENGL40
		<u>12.0</u>	<u>18.0</u>	<u>4.0</u>	<u>18.0</u>	<u>22.0</u>	
3RD YEAR - SUMMER							
ECT35	Industrial Emersion 2 (OJT)	0.0	6.0	0.0	6.0	6.0	ECT26, ECT33, ECT34, EMT31
		<u>0.0</u>	<u>6.0</u>	<u>0.0</u>	<u>6.0</u>	<u>6.0</u>	
4TH YEAR - 1ST SEMESTER							
ECT40	Research & Development 1	0.0	3.0	0.0	3.0	3.0	ENGL40, ECT33, ECT34, EMT31, MATH20, INDTECH60, COMP22
ECT41	Microprocessor Fundamentals	0.0	3.0	0.0	3.0	3.0	COMP22
ECT42	Communcations Systems 2	3.0	2.0	1.0	2.0	3.0	ECT33
ECT43	Computer Infrastruture	3.0	2.0	1.0	2.0	3.0	ECT21
ECT39	Automation Technology	3.0	2.0	1.0	2.0	3.0	EMT31
INDTECH30	Business Management and Entrepreneurship	0.0	3.0	0.0	3.0	3.0	
		<u>9.0</u>	<u>15.0</u>	<u>3.0</u>	<u>15.0</u>	<u>18.0</u>	
4TH YEAR - 2ND SEMESTER							
ECT44	Research & Development 2	0.0	3.0	0.0	3.0	3.0	ECT40, ECT41, ECT42, ECT43
ECT45	Communcations Systems 3	3.0	2.0	1.0	2.0	3.0	ECT42
ECT46	Microwave Systems Design	0.0	3.0	0.0	3.0	3.0	ECT42
ECT47	Electronics/Electrical Laws & Standards	0.0	3.0	0.0	3.0	3.0	ECT42
ECT48	Field Trips/Seminars	3.0	0.0	1.0	0.0	1.0	ECT42
INDTECH40	Industrial Management and Operations	0.0	3.0	0.0	3.0	3.0	INDTECH30
INDTECH51	Quality Assurance	0.0	3.0	0.0	3.0	3.0	INDTECH30
		<u>6.0</u>	<u>17.0</u>	<u>2.0</u>	<u>17.0</u>	<u>19.0</u>	