



BACHELOR OF INDUSTRIAL TECHNOLOGY
Major in Electrical Technology

LIST OF COURSES BY SEMESTER
BOR Resolution No.____, Series of 20____

First Year, First Semester

Course No.	Course Title	Units	Hrs/Wk			Pre-requisite(s)	Co-requisite(s)
			Lec	Lab	Total		
ELT111	Occupational Health and Safety Practices	1	1	0	1	NONE	NONE
ELT112	Fundamentals of Electricity	3	2	3	5	NONE	NONE
TDW111	Technical Drawing 1	3	3	0	3	NONE	NONE
GEC101	Understanding the Self	3	3	0	3	NONE	NONE
GEC104	Mathematics in the Modern World	3	3	0	3	NONE	NONE
GEC102	Purposive Communication	3	3	0	3	NONE	NONE
GEC103	The Contemporary World	3	3	0	3	NONE	NONE
PED001	Exercise Prescription and Management	2	2	0	2	NONE	NONE
NST001	National Service Training Program 1	(3)	(3)	0	(3)	NONE	NONE
TOTAL		21 (24)	20 (23)	3 (3)	23 (26)		

First Year, Second Semester

Course No.	Course Title	Units	Hrs/Wk			Pre-requisite(s)	Co-requisite(s)
			Lec	Lab	Total		
ELT113	Electrical and Electronics Devices	3	2	3	5	ELT112	NONE
ELT121	Electrical Wiring System and Design	4	3	3	6	ELT112	NONE
TDW112	Technical Drawing 2	3	3	0	3	TDW111	NONE
GEC106	Art Appreciation	3	3	0	3	NONE	NONE
GEC109	Life and Works of Rizal	3	3	0	3	NONE	NONE
GEC108	Science, Technology and Society	3	3	0	3	NONE	NONE
PED002	Dance/Martial Arts	2	2	0	2	PED001	NONE
NST002	National Service Training Program 2	(3)	(3)	(0)	(3)	NST001	NONE
TOTAL		21 (24)	19 (22)	6 (6)	25 (28)		

Second Year, First Semester

Course No.	Course Title	Units	Hrs/Wk			Pre-requisite(s)	Co-requisite(s)
			Lec	Lab	Total		
ELT122	Signal and Communication System	3	2	3	5	ELT112	NONE
ELT123	Direct Current Machines	3	2	3	6	NONE	NONE
ELT211	Alternating Current Machines	4		3	3	ELT121	NONE
GEC107	Ethics	3	3	0	3	NONE	NONE
HIS003	History of Filipino Muslims and Indigenous Peoples of MINSUPALA	3	3	0	3	NONE	NONE
FPE101	Fundamentals of Peace Education	3	3	0	3	NONE	NONE
FIL101	Wika at Kultura sa Mapayapang Lipunan	3	3	0	3	NONE	NONE
PED003	Individual/Dual Sports/Traditional/Recreational Games	2	2	0	2	PED001	NONE
TOTAL		24	21	9	30		

Second Year, Second Semester

Course No.	Course Title	Units	Hrs/Wk			Pre-requisite(s)	Co-requisite(s)
			Lec	Lab	Total		
ELT212	Industrial Electronic Circuits and Devices	3	2	3	5	NONE	NONE
ELT213	Industrial Motor Controller	3	2	3	5	NONE	NONE
ELT221	Pneumatic and Hydraulic System		2	3	5	ELT123	NONE
GEC105	Readings in Philippine History	3	3	0	3	NONE	NONE
FIL102	Ekokritisismo at Pagpapahalaga sa Kalikasan	3	3	0	3	NONE	NONE

TDW113	Computer-Aided Designing	3	2	3	5	NONE	NONE
PED004	Team Sports	2	2	0	2	PED001	NONE
	TOTAL	20	16	12	28		

Third Year, First Semester

Course No.	Course Title	Units	Hrs/Wk			Pre-requisite(s)	Co-requisite(s)
			Lec	Lab	Total		
ELT222	Logic Circuit Controller	3	2	3	5	ELT211	NONE
ELT311	PLC System and Programming	3	2	3	5	NONE	NONE
BIT101	Principles and Practices of Vocational and Technical Education	3	3	0	3	NONE	NONE
BIT102	Plant and Shop Layout	3	3	0	3	NONE	NONE
BIT103	Industrial Organization and Management	3	3	0	3	NONE	NONE
BIT198	Research Methods	3	3	0	3	NONE	NONE
BIT105	Industrial Psychology 1	3	3	0	3	NONE	NONE
FIL103	Inobasyon sa Wikang Pilipino	3	3	0	3	NONE	NONE
	TOTAL	24	22	6	28		

Third Year, Second Semester

Course No.	Course Title	Units	Hrs/Wk			Pre-requisite(s)	Co-requisite(s)
			Lec	Lab	Total		
ELT312	Industrial Process	3	2	3	5	ELT222	NONE
ELT313	Automation Control System	3	2	3	5		
BIT106	Personnel Administration and Supervision	3	3	0	3	NONE	NONE
BIT104	Entrepreneurship	3	2	3	5	NONE	NONE
BIT199	Undergraduate Thesis	3	3	0	3	BIT198	NONE
BIT108	New Labor Code	3	3	0	5	NONE	NONE
BIT107	Work-Based Learning with Emphasis on Trainers Methodology	3	2	3	3	NONE	NONE
BIT109	Group Dynamics	3	3	0	3	NONE	NONE
	TOTAL	24	20	12	32		

Fourth Year, First Semester

Course No.	Course Title	Units	Training Hours	Pre-requisite(s)	Co-requisite(s)
BIT197 _A	On-the-Job Training 1	0	600	Completion of Academic Requirements	NONE

Fourth Year, Second Semester

Course No.	Course Title	Units	Training Hours	Pre-requisite(s)	Co-requisite(s)
BIT197 _B	On-the-Job Training 2	0	600	BIT197 _A	NONE

Total Number of Units: 134