



BACHELOR OF SCIENCE IN ELECTRONICS ENGINEERING
(based on CMO No. 101 s. 2017)

FIRST YEAR

First Semester					Second Semester						
Course No.	Descriptive Title	Units			Pre-requisite/ Co-requisite	Course No.	Descriptive Title	Units			Pre-requisite/ Co-requisite
		L E C	L A B					L E C	L A B		
Math 111	Calculus 1	5		5	ES 121	Computer Programming		6	2		
ES 111	Computer – Aided Drafting		3	1	Math 121	Calculus 2	5		5	Math 111	
GE – MM	Mathematics in the Modern World	3		3	Phys 121	Physics for ECE	3	3	4	Phys 122	
GE – ST	Science, Technology & Society	3		3	Phys 122	Physics for Engineers	3	3	4	Math 111	
Chem 111	Chemistry for Engineers	3	3	4	GE – US	Understanding the Self	3		3		
GE – PH	Readings in Philippine History	3		3	GE – CW	Contemporary World	3		3		
PE 11	Movement Enhancement (ME)	2		2	PE 12	Fitness Exercise (FE)	2		2	PE 11	
NSTP 1	National Service Training Program 1	3		3	NSTP 2	National Service Training Program 2	3		3	NSTP 1	
TOTAL			24		TOTAL			26			

SECOND YEAR

First Semester					Second Semester						
Course No.	Descriptive Title	Units			Pre-requisite/ Co-requisite	Course No.	Descriptive Title	Units			Pre-requisite/ Co-requisite
		L E C	L A B					L E C	L A B		
Math 211	Differential Equations	3		3	ECE 223	Advanced Engineering Math for ECE	3	3	4	Math 211	
EE 211	Circuits I	3	3	4	EE 221	Circuits II	3	3	4	EE 211	
ECE 211	Electronics 1 – Electronic Devices & Circuits	3	3	4	ECE 221	Electronics 2 – Electronic Circuit Analysis and Design	3	3	4	ECE 212	
FIL 1	Kontekstwalisadong Komunikasyon sa Filipino	3		3	ECE 222	Communication 1 – Prin of Communication Systems	3	3	4	ECE 221	
GE – PC	Purposive Communication	3		3	ES 221	Engineering Data Analysis	3		3	Math 111	
ES 211	Engineering Economics	3		3	ES 222	Electromagnetics 1 – Vector Analysis	4		4	Math 211	
RIZAL	Life & Works of Rizal	3		3	FIL 2	Filipino sa Iba't Ibang Disiplina	3		3		
GE – E	Ethics	3		3	GE – AA	Art Appreciation	3		3		
PE 21	Physical Activities Towards Health & Fitness (PATH-Fit) 1 (Dance, Sports, Outdoor & Adventure Activities)	2		2	PE 22	Physical Activities Towards Health & Fitness (PATH-Fit) 2 (Dance, Sports, Outdoor & Adventure Activities)	2		2	PE 21	
TOTAL			28		TOTAL			31			

THIRD YEAR

First Semester					Second Semester						
Course No.	Descriptive Title	Units			Pre-requisite/ Co-requisite	Course No.	Descriptive Title	Units			Pre-requisite/ Co-requisite
		L E C	L A B					L E C	L A B		
ECE 315	Communication 2 – Modulation & Coding Techniques	3	3	4	ECE 321	Digital Electronics 2: Microprocessor, Microcontroller System & Design	3	3	4	ECE 311	
ECE 312	Electronics 3 – Electronics System & Design	3	3	4	ES 321	Technopreneurship	3		3		
ECE 316	Numerical Methods in ECE	3	3	4	ECE 325	Communication 4 – Transmission Media & Antenna System Design	3	3	4	ECE 315	
ECE 311	Digital Electronics 1: Logic Circuit & Switching Theory	3	3	4	ECE 324	Communication 3 – Data Communication	3	3	4	ECE 315	
ECE 313	Signals, Spectra, Signal Processing	3	3	4	ECE 326	Feedback & Control System	3	3	4	ECE 316	
LIT 1	Poetry	3		3	ECE 323	Elective 1: Renewable Energy System	3	3	4	ECE 221	
ECE 317	ECE Laws, Contracts & Ethics	3		3	ECE 322	Research Methods	3		3	3 rd Yr. Standing	
ECE 314	Electromagnetics	3	3	4	ES 322	Basic Professional Health & Safety	3		3		
TOTAL			30		TOTAL			29			

SUMMER

Course No.	Descriptive Title	No. of Hours		UNITS	Pre-Requisite/ Co-requisite
		LEC	LAB		
OJT	On-the-Job Training (240 hours)	2	3	3	3 rd Yr. Standing
TOTAL		2	3	3	

FOURTH YEAR

First Semester					Second Semester						
Course No.	Descriptive Title	Units			Pre-requisite/ Co-requisite	Course No.	Descriptive Title	Units			Prerequisite/ Co-requisite
		L E C	L A B					L E C	L A B		
ECE 411	ECE Design 1		3	1	ECE 424	Seminars/Colloquia		3	1	4 th Year Standing	
ECE 413	Elective 2: Advanced Communication System & Design (Wireless)	3	3	4	ECE 421	ECE Design 2		3	1	ECE 411	
ES 411	Engineering Management	2		2	ES 421	Material Science & Engineering	3		3	Chem 111	
ES 412	Environmental Science & Engineering	3		3	ECE 423	Elective 3: Advance Networking	3	3	4	ECE 324	
ECE 414	Instrumentation & Control	2	3	3	ECE 422	Broadcast Transmission & Distribution	3	3	4	ECE 412	
ECE 412	Broadcast Production Engineering	3	3	4	TOTAL			13			
TOTAL			17								