

BACHELOR OF SCIENCE IN ELECTRONICS ENGINEERING (BSECE)**FIRST YEAR**First Semester

Course Code	Descriptive Title	Units	Pre-requisite / Remarks
ENGL 100	Communication Arts	3	-
FIL 101	Sining ng Komunikasyon	3	-
MATH 100	College Mathematics	3	-
MATH 101	Mathematics in the Modern World	3	-
EMATH 111	Calculus 1	3	Pre-Calculus
CHEM 111	Chemistry for Engineers	4	General Chemistry
BES 101	Engineering Drawing	1	-
PE 101	Movement Enhancement	2	-
NSTP 101	National Service Training Program 1	3	-
	TOTAL	25	

Second Semester

Course Code	Descriptive Title	Units	Pre-requisite / Remarks
FIL 102	Panitikan ng Pilipinas	3	FIL 101
RIZAL 101	Life and Works of Dr. Jose Rizal	3	-
EMATH 121	Calculus 2	3	EMATH 111
PHYS 121	Physics for Engineers	4	General Physics EMATH 111, BES 101
BES 102A	Computer – Aided Drafting	1	-
BES 103	Computer Programming	2	-
PSYCH 101	Understanding the Self	3	-
STS 101	Science, Technology and Society	3	-
PE 102	Fitness Exercises	2	PE 101
NSTP 102	National Service Training Program 2	3	NSTP 101
	TOTAL	27	

SECOND YEAR

First Semester

Course Code	Descriptive Title	Units	Pre-requisite / Remarks
ENGL 101	Purposive Communication	3	-
HUM 101	Art Appreciation	3	-
EMATH 122	Engineering Data Analysis	3	EMATH 111
EMATH 211	Differential Equations	3	EMATH 121
BES 104	Engineering Economics	3	-
MECH 211	Engineering Mechanics	3	EMATH 121 PHYS 121
PHYS 211	College Physics 2	4	EMATH 111
BES 108	Material Science and Engineering	3	CHEM 111
ECE 211	ECE Laws, Contracts, Ethics, Standards & Safety	3	-
PE 103	Physical Activity Towards Health and Fitness I	2	PE 102
	TOTAL	30	

Second Semester

Course Code	Descriptive Title	Units	Pre-requisite / Remarks
EMATH 222	Advanced Engineering Mathematics for ECE	4	EMATH 211
BES 107	Engineering Management	3	BES 104
HIST 101	Readings in Philippine History	3	-
PHILO 101	Ethics	3	-
ECE 212	Electronic Devices and Circuits	4	PHYS 211, EE 211
ECE 223	Electromagnetics for ECE	4	EMATH 211
EE 211	Electrical Circuits 1	4	PHYS 211, ECE 212
PE 104	Physical Activity Towards Health and Fitness II	2	PE 103
	TOTAL	27	

THIRD YEAR

First Semester

Course Code	Descriptive Title	Units	Pre-requisite / Remarks
BES 105	Basic Occupational Safety and Health	3	
CPE 212	Cisco Certified Network Associate 1	3	STS 101
CPE 311	Logic Circuits and Switching Theory	4	ECE 212
ECE 221	Electronic Circuit Analysis and Design	4	ECE 212, ECE 222
ECE 222	Principles of Communication Systems	4	ECE 212, ECE 221
ECE 312	Signals, Spectra & Signal Processing	4	EMATH 222
EE 221	Electrical Circuits 2	4	EE 211
ECE EC 1	Enhancement Course 1	1	EMATH 222, MECH 211
	TOTAL	27	

Second Semester

Course Code	Descriptive Title	Units	Pre-requisite / Remarks
RES 101	Methods of Research	3	ENGL 101 EMATH 122
TECHNO 101	Technopreneurship	3	ENGL 101 BES 104
CPE 222	Cisco Certified Network Associate 2	3	CPE 212
CPE 322	Microprocessors	4	CPE 311
ECE 311	Electronic Systems and Design	4	ECE 221
ECE 313	Modulation and Coding Techniques	4	ECE 222
ECE 323	Feedback and Control Systems	4	EMATH 222
ECE EC 2	Enhancement Course 2	1	ECE EC 1
	TOTAL	26	

FOURTH YEAR

First Semester

Course Code	Descriptive Title	Units	Pre-requisite / Remarks
BES 106	Environmental Science and Engineering	3	CHEM 111
LIT 11	Literature of the World	3	-
CPE 313	Cisco Certified Network Associate 3	3	CPE 222
ECE 321	Data Communications	4	ECE 313
ECE 322	Transmission Media, Antenna System and Design	4	ECE 313
ECE 411	Design 1 / Capstone Project 1	1	RES 101
ECE EC 3	Enhancement Course 3	1	ECE EC 2
ECE FR EL 1	ECE Elective 1	4	ECE 313
	TOTAL	23	

Second Semester

Course Code	Descriptive Title	Units	Pre-requisite / Remarks
SOCIO 101	The Contemporary World	3	
CPE 323	Cisco Certified Network Associate 4	3	CPE 313
ECE 421	Seminars / Colloquium	1	ECE 331
ECE 422	Design 2 / Capstone Project 2	1	ECE 411
ECE EC 4	Enhancement Course 4	1	ECE EC 3
ECE FR EL 2	ECE Elective 2	4	ECE FR EL 1
	TOTAL	13	

SUMMER CLASS

AFTER THIRD YEAR

Course Code	Descriptive Title	Units	Pre-requisite / Remarks
ECE 331	On-the-Job Training	4	ECE 323
	TOTAL	4	