



St. Peter's College

Iligan City

**CURRICULUM FOR FOUR-YEAR COURSE IN
BACHELOR OF SCIENCE IN ELECTRONICS ENGINEERING (BSECE)**

STARTING SCHOOL YEAR 2018-2019

FIRST YEAR

FIRST SEMESTER				HRS	HRS	CDT	PREREQ
				LEC	LAB	UN	
EM	1	Calculus 1		3	0	3	None
Chem	1	Chemistry for Engineers Lec		3	0	3	None
Chem	1.1	Chemistry for Engineers Lab		0	3	1	None
GEC	1	Understanding the Self		3	0	3	None
GEC	2	Readings in Philippine History		3	0	3	None
GEC	3	The Contemporary World		3	0	3	None
GEC	4	Mathematics In the Modern World		3	0	3	None
BES	2.1	Computer Aided Drafting		0	3	1	None
PE	1	Path Fit 1		2	0	2	None
NSTP	1	National Service Training Program 1		3	0	3	None
Sub total				23	6	25	

SECOND SEMESTER				HRS	HRS	CDT	PREREQ
				LEC	LAB	UN	
EM	2	Calculus 2		3	0	3	EM1
EM	3	Engineering Data Analysis		3	0	3	None
Phys	1	Physics for Engineers Lec		3	0	3	EM1
Phys	1.1	Physics for Engineers Lab		0	3	1	EM1
AECE	3.1	Computer Programming		0	6	2	None
GEC	5	Purposive Communication		3	0	3	None
AECE	2	Physics 2 Lec		3	0	3	Co-reqPhys1&1.1
AECE	2.1	Physics 2 Lab		0	3	1	Co-reqPhys1&1.1
PE	2	Path Fit 2		2	0	2	PE1
NSTP	2	National Service Training Program 2		3	0	3	NSTP1
Sub-total				20	12	24	

SECOND YEAR

FIRST SEMESTER				HRS	HRS	CDT	PREREQ
				LEC	LAB	UN	
EM	4	Differential Equations		3	0	3	EM 2
AECE	4	Circuits 1 Lec		3	0	3	AECE2&2.1
AECE	4.1	Circuits 1 Lab		0	3	1	AECE2&2.1
PECE	1	Electronics 1:Electronics Devices & Ckts Lec		3	0	3	CoReqAECE4&4.1
PECE	1.1	Electronics 1:Electronics Devices & Ckts Lab		0	3	1	CoReqAECE4&4.1
BES	7	Engineering Economics		3	0	3	None
GEC	6	Art Appreciation		3	0	3	None
BES	3	Statics of Rigid Bodies		3	0	3	EM 2
AECE	9	Introduction to Electronics Engineering Lec		2	0	2	None
AECE	9.1	Introduction to Electronics Engineering Lab		0	3	1	None
PE	3	Path Fit 3		2	0	2	PE 2
Sub-total				22	9	25	

SECOND SEMESTER				HRS	HRS	CDT	PREREQ
				LEC	LAB	UN	
PECE	2	Advanced Eng'g Mathematics for ECE Lec		3	0	3	EM4
PECE	2.1	Advanced Eng'g Mathematics for ECE Lab		0	3	1	EM 4
AECE	5	Circuits 2 Lec		3	0	3	AECE 4&4.1
AECE	5.1	Circuits 2 Lab		0	3	1	AECE 4&4.1
PECE	3	Electronics 2: Electronic Ckt Analysis & Design Lec		3	0	3	PECE 1&1.1
PECE	3.1	Electronics 2: Electronic Ckt Analysis & Design Lab		0	3	1	PECE 1&1.1
PECE	4	Comm 1: Principles of Communication Systems Lec		3	0	3	CoReq PECE 3&3.1
PECE	4.1	Comm 1: Principles of Communication Systems Lab		0	3	1	CoReq PECE 3&3.1
PECE	5	Electromagnetics		4	0	4	EM 4
BES	13	Mechanics of Deformable Bodies		3	0	3	BES 3
PE	4	Path Fit 4		2	0	2	PE 3
Sub-total				21	12	25	

THIRD YEAR

FIRST SEMESTER				HRS	HRS	CDT	PREREQ
				LEC	LAB	UN	
PECE	6	Logic Circuits & Switching Theory Lec		3	0	3	PECE1&1.1
PECE	6.1	Logic Circuits & Switching Theory Lab		0	3	1	PECE1&1.1
PECE	7	Electronics 3: Electronic System& Design Lec		3	0	3	PECE3&3.1
PECE	7.1	Electronics 3: Electronic System& Design Lab		0	3	1	PECE3&3.1
PECE	8	Signals, Spectra & Signal Processing Lec		3	0	3	PECE2&2.1
PECE	8.1	Signals, Spectra & Signal Processing Lab		0	3	1	PECE2&2.1
PECE	9	Comm 2: Mod'n & Coding Techniques L		3	0	3	PECE4&4.1
PECE	9.1	Comm 2: Mod'n & Coding Techniques L		0	3	1	PECE4 &4.1
PECE	23	Numerical Methods Lec		2	0	2	PECE 2/PECE 2.1
PECE	23.1	Numerical Methods Lab		0	3	1	PECE 2/PECE 2.1
BES	9	Engineering Management		3	0	3	None
BES	4	Dynamics of Rigid Bodies		3	0	3	BES 3
Sub-total				20	15	25	

SECOND SEMESTER				HRS	HRS	CDT	PREREQ
				LEC	LAB	UN	
PECE	10	Comm 3: Data Communication Lec		3	0	3	PECE9&9.1
PECE	10.1	Comm 3: Data Communication Lab		0	3	1	PECE9&9.1
PECE	11	Comm 4: Trans Media, Antenna Sys & Des Lec		3	0	3	PECE9&9.1
PECE	11.1	Comm 4: Trans Media, Antenna Sys & Des Lab		0	3	1	PECE9&9.1
PECE	12	Microprocessor & Microcontroller Systems & Design Lec		3	0	3	PECE6&6.1
PECE	12.1	Microprocessor & Microcontroller Systems & Design Lab		0	3	1	PECE6&6.1
PECE	13	Feedback & Control Systems Lec		3	0	3	PECE2&2.1
PECE	13.1	Feedback & Control Systems Lab		0	3	1	PECE2&2.1
BES	11	Technopreneurship 101		3	0	3	BES 9
BES	12	Environmental Science & ngineering		3	0	3	Chem 1&1.1
PECE	14	ECE Laws, Contracts, Standards & Safety		3	0	3	3rd Yr Standing
Sub -total				21	12	25	

SUMMER

				HRS	HRS	CDT	PREREQ
				LEC	LAB	UN	
BES	13	Materials Science & Engineering		3	0	3	Chem 1&1.1
GEC	9	Life and Works of Rizal		3	0	3	None
GEC	8	Ethics		3	0	3	None
Sub- total				9	0	9	

FOURTH YEAR

FIRST SEMESTER				HRS	HRS	CDT	PREREQ
				LEC	LAB	UN	
PECE	16	Methods of Research		3	0	3	4th Year Standing
PECE	17.1	Design 1/ Capstone Project 1		0	3	1	4th Year Standing
PECE	18	ECE Elective 1 Lec		3	0	3	4th Year Standing
PECE	18.1	ECE Elective 1 Lab		0	3	1	4th Year Standing
PECE	19	ECE Elective 2 Lec		3	0	3	4th Year Standing
PECE	19.1	ECE Elective 2 Lab		0	3	1	4th Year Standing

SECOND SEMESTER				HRS	HRS	CDT	PREREQ
				LEC	LAB	UN	
PECE	21.1	Seminars/Colloquim		0	3	1	4th Year Standing
PECE	22.1	Design 2/ Capstone Project 2		0	3	1	4th Year Standing
PECE	15	On the Job Training		3	240	3	4th Year Standing

PECE	20	Comm System Analysis& Design Lec	2	0	2	4th Year Standing
PECE	20.1	Comm System Analysis& Design Lab	0	3	1	4th Year Standing
GEC	7	Science, Technology & Society	3	0	3	3rd Year Standing
Sub - total			14	12	18	

Sub-total			3	243	5	

ELECTIVE COURSES:

Power Electronics Track:

Advanced Power Supply Systems
Renewable Energy Systems

Computer Track:

Computer Systems Architecture
Operating Systems & Advanced Programming Languages

Last name First Name MI

Engr. Ruben P. Cope, MEP-EE
EE-ECE Program Head

Engr. Rosalinda C. Balacuit, METE
Dean, College Of Engineering

Emma B. Magracia, PhD
Executive for Academic Affairs

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