



St. Peter's College

Iligan City

**REVISED CURRICULUM FOR FOUR-YEAR COURSE IN
BACHELOR OF SCIENCE IN ELECTRICAL ENGINEERING (BSEE)**

STARTING SCHOOL YEAR 2020-2021

FIRST YEAR

FIRST SEMESTER				PREREQ				SECOND SEMESTER				PREREQ					
				HRS	HRS	CDT					HRS	HRS	CDT				
				LEC	LAB	UN					LEC	LAB	UN				
EM	1	Calculus 1		3	0	3	None		EM	2	Calculus 2		3	0	3	EM 1	
Chem	1	Chemistry for Engineers Lec		3	0	3	None		AEE	1.1	Computer Programming		0	3	1	None	
Chem	1.1	Chemistry for Engineers Lab		0	3	1	None		Phys	1	Physics for Engineers Lec		3	0	3	Co-reqEM2	
BES	2.1	Computer-Aided Drafting		0	3	1	None		Phys	1.1	Physics for Engineers Lab		0	3	1	Co-reqEM2	
GEC	4	Mathematics in the Modern World		3	0	3	None		GEC	5	Purposive Communication		3	0	3	None	
GEC	1	Understanding the Self		3	0	3	None		GEC	3	Contemporary World		0	0	3	None	
GEC	7	Science, Technology & Society		3	0	3	None		AEE	11	Physics 2 Lec		3	0	3	Co-reqPhys1&1.1	
PE	1	Path Fit 1		2	0	2	None		AEE	11.1	Physics 2 Lab		0	3	1	Co-reqPhys1&1.1	
NSTP	1	National Service Training Program 1		3	0	3	None		PE	2	Path Fit 2		2	0	2	PE1	
									NSTP	2	National Service Training Program 2		3	0	3	NSTP1	
Sub total				20	6	22		Sub-total				17	9	23			

SECOND YEAR

FIRST SEMESTER				PREREQ				SECOND SEMESTER				PREREQ					
				HRS	HRS	CDT					HRS	HRS	CDT				
				LEC	LAB	UN					LEC	LAB	UN				
EM	4	Differential Equations		3	0	3	EM 2		PEE	2	Engineering Mathematics for EE		3	0	3	EM 4	
EM	3	Engineering Data Analysis		3	0	3	EM 1		PEE	3	Electrical Circuits 2 Lec		3	0	3	PEE1&1.1	
PEE	1	Electrical Circuits 1 Lec		3	0	3	EM2/AEE11&11.1		PEE	3.1	Electrical Circuits 2.1 Lab		0	3	1	PEE1&1.1	
PEE	1.1	Electrical Circuits 1.1 Lab		0	3	1	EM2/AEE11&11.1		AEE	3	Electronics Circuits: Devices & Analysis Lec		3	0	3	PEE1&1.1	
BES	3	Statics of Rigid Bodies		3	0	3	EM 2		AEE	3.1	Electronics Circuits: Devices & Analysis Lab		0	3	1	PEE1&1.1	
BES	12	Environmental Science & Engineering		3	0	3	Chem1&1.1		AEE	4	Basic Thermodynamics		2	0	2	Phys1&1.1	
GEC	2	Readings in Philippine History		3	0	3	None		AEE	5	Electromagnetics		3	0	3	EM4/Phys1&1.1	
GEC	6	Art Appreciation		3	0	3	None		BES	14	Mechanics of Deformable Bodies		3	0	3	BES 3	
PE	3	Path Fit 3		2	0	2	PE2		GEC	8	Ethics		3	0	3	None	
									PE	4	Path Fit 4		2	0	2	PE3	
Sub-total				23	3	24		Sub-total				22	6	24			

THIRD YEAR

FIRST SEMESTER				PREREQ				SECOND SEMESTER				PREREQ					
				HRS	HRS	CDT					HRS	HRS	CDT				
				LEC	LAB	UN					LEC	LAB	UN				
PEE	5	Numerical Method & Analysis Lec		2	0	2	PEE2		AEE	9	Microprocessor Systems Lec		2	0	2	AEE 6	
PEE	5.1	Numerical Methods & Analysis Lab		0	3	1	PEE2		PEE	8	Electrical Apparatus & Devices Lec		2	0	2	PEE3&3.1	
AEE	6	Logic Circuits & Switching Theory		2	0	2	AEE3&3.1		PEE	8.1	Electrical Apparatus & Devices Lab		0	3	1	PEE3&3.1	
BES	7	Engineering Economics		3	0	3	EM 3		PEE	9	Electrical Machines 2 Lec		3	0	3	PEE22&22.1	
AEE	7	Industrial Electronics Lec		3	0	3	AEE 3&3.1		PEE	9.1	Electrical Machines 2 Lab		0	3	1	PEE22&22.1	
AEE	7.1	Industrial Electronics Lab		0	3	1	AEE 3&3.1		AEE	10	Fluid Mechanics		2	0	2	Phys1&1.1	
AEE	8	Fundamentals of Electronic Communication		3	0	3	AEE 3&3.1		PEE	4	EE Law, Codes & Professional Ethics		3	0	3	GEC 8	
PEE	6	Electrical Machines 1 Lec		2	0	2	AEE 5/PEE3&3.1		PEE	10	Feedback Control Systems		3	0	3	PEE 2/AEE3&3.1	
PEE	6.1	Electrical Machines 1 Lab		0	3	1	AEE 5/PEE3&3.1		BES	13	Materials Science & Engineering		3	0	3	Chem1&1.1	
PEE	22	Electrical Circuits 3 Lec		3	0	3	PEE3&3.1		BES	11	Technopreneurship 101		3	0	3	BES 9	
PEE	22.1	Electrical Circuits 3.1 Lab		0	3	1	PEE3&3.1		PEE	7.1	Electrical Standards & Practices		0	3	1	Co-reqPEE 4	
BES	9	Engineering Management		3	0	3	3rd Year Standing		PEE	15.1	Research Methods		0	3	1	EM 3	
Sub-total				21	12	25		Sub-total				21	9	25			

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AEE	2	Basic Occupational Safety & Health		3	0	3	None
GEC	10	History of the Muslim Filipinos and IPs		3	0	3	None
PEE	14	EE Elective 1		3	0	3	4th Year Standing
Sub-total				9	0	9	

FOURTH YEAR

FIRST SEMESTER				PREREQ				SECOND SEMESTER				PREREQ					
				HRS	HRS	CDT					HRS	HRS	CDT				
				LEC	LAB	UN					LEC	LAB	UN				
GEC	11	Language, Gender and Society		3	0	3	None		PEE	20.1	Research Project		0	3	1	PEE 15.1	
PEE	11	Power Systems Analysis Lec		3	0	3	PEE 7.1		PEE	21.1	Seminar/Colloquia		0	3	1	4th Year Standing	
PEE	11.1	Power Systems Analysis Lab		0	3	1	PEE 7.1		PEE	12	On the Job Training		3	0	3	4th Year Standing	
PEE	13	Elect Sys & Illum Eng'g Design Lec		3	0	3	PEE 9 & 9.1		GEC	12	Ecocriticism and Conservation of Nature		3	0	3	None	
PEE	13.1	Elect Sys & Illum Eng'g Design Lab		0	6	2	PEE 9 & 9.1		GEC	9	Life & Works of Rizal		3	0	3	None	
PEE	16	Instrumentation & Control Lec		2	0	2	PEE 10										
PEE	16.1	Instrumentation & Control Lab		0	3	1	PEE 10										
PEE	17.1	Fundamentals of Power Plant Eng'g De		0	3	1	Co-reqPEE11&11.1										
PEE	18	Distribution Systems & Substation Desig		2	0	2	Co-reqPEE11&11.1										
PEE	18.1	Distribution Systems & Substation Desig		0	3	1	Co-reqPEE11&11.1										
PEE	23	Electrical Equipment & Devices Operatic		3	0	3	PEE8&8.1/PEE9&9.1										
PEE	19	EE Elective 2		3	0	3	PEE14										
Sub - total				19	18	25		Sub-total				3	6	11			

ELECTIVE COURSES:

- Power System Protection 1
- Power System Protection 2
- Power Systems - Generation & Transmission
- Power Systems - Distribution System & Supply

Surname First Name MI Mobile Number

Engr. Ruben P. Cope, MEP-EE
EE Department Head

Engr. Rosalinda C. Balacuit, MSMetE
Dean, College of Engineering

Dr. Emma B. Magracia, PhD
Executive Officer for Academic Affair