



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				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
BES	2.1	Computer-Aided Drafting		0	3	1	None
GEC	4	Mathematics in the Modern World		3	0	3	None
GEC	1	Understanding the Self		3	0	3	None
GEC	7	Science, Technology & Society		3	0	3	None
PE	1	Path Fit 1		2	0	2	None
NSTP	1	National Service Training Program 1		3	0	3	None
Sub total				20	6	22	

SECOND SEMESTER				HRS	HRS	CDT	PREREQ
				LEC	LAB	UN	
EM	2	Calculus 2		3	0	3	EM 1
AEE	1.1	Computer Programming		0	3	1	None
Phys	1	Physics for Engineers Lec		3	0	3	Co-reqEM2
Phys	1.1	Physics for Engineers Lab		0	3	1	Co-reqEM2
GEC	5	Purposive Communication		3	0	3	None
GEC	3	Contemporary World		0	0	3	None
AEE	11	Physics 2 Lec		3	0	3	Co-reqPhys1&1.1
AEE	11.1	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				17	9	23	

SECOND YEAR

FIRST SEMESTER				HRS	HRS	CDT	PREREQ
				LEC	LAB	UN	
EM	4	Differential Equations		3	0	3	EM 2
EM	3	Engineering Data Analysis		3	0	3	EM 1
PEE	1	Electrical Circuits 1 Lec		3	0	3	EM2/AEE11&11.1
PEE	1.1	Electrical Circuits 1.1 Lab		0	3	1	EM2/AEE11&11.1
BES	3	Statics of Rigid Bodies		3	0	3	EM 2
BES	12	Environmental Science & Engineering		3	0	3	Chem1&1.1
GEC	2	Readings in Philippine History		3	0	3	None
GEC	6	Art Appreciation		3	0	3	None
PE	3	Path Fit 3		2	0	2	PE2
Sub-total				23	3	24	

SECOND SEMESTER				HRS	HRS	CDT	PREREQ
				LEC	LAB	UN	
PEE	2	Engineering Mathematics for EE		3	0	3	EM 4
PEE	3	Electrical Circuits 2 Lec		3	0	3	PEE1&1.1
PEE	3.1	Electrical Circuits 2.1 Lab		0	3	1	PEE1&1.1
AEE	3	Electronics Circuits: Devices & Analysis Lec		3	0	3	PEE1&1.1
AEE	3.1	Electronics Circuits: Devices & Analysis Lab		0	3	1	PEE1&1.1
AEE	4	Basic Thermodynamics		2	0	2	Phys1&1.1
AEE	5	Electromagnetics		3	0	3	EM4/Phys1&1.1
BES	14	Mechanics of Deformable Bodies		3	0	3	BES 3
GEC	8	Ethics		3	0	3	None
PE	4	Path Fit 4		2	0	2	PE3
Sub-total				22	6	24	

THIRD YEAR

FIRST SEMESTER				HRS	HRS	CDT	PREREQ
				LEC	LAB	UN	
PEE	5	Numerical Method & Analysis Lec		2	0	2	PEE2
PEE	5.1	Numerical Methods & Analysis Lab		0	3	1	PEE2
AEE	6	Logic Circuits & Switching Theory		2	0	2	AEE3&3.1
BES	7	Engineering Economics		3	0	3	EM 3
AEE	7	Industrial Electronics Lec		3	0	3	AEE 3&3.1
AEE	7.1	Industrial Electronics Lab		0	3	1	AEE 3&3.1
AEE	8	Fundamentals of Electronic Communica		3	0	3	AEE 3&3.1
PEE	6	Electrical Machines 1 Lec		2	0	2	AEE 5/PEE3&3.1
PEE	6.1	Electrical Machines 1 Lab		0	3	1	AEE 5/PEE3&3.1
PEE	22	Electrical Circuits 3 Lec		3	0	3	PEE3&3.1
PEE	22.1	Electrical Circuits 3.1 Lab		0	3	1	PEE3&3.1
BES	9	Engineering Management		3	0	3	3rd Year Standing
Sub-total				21	12	25	

SECOND SEMESTER				HRS	HRS	CDT	PREREQ
				LEC	LAB	UN	
AEE	9	Microprocessor Systems Lec		2	0	2	AEE 6
PEE	8	Electrical Apparatus & Devices Lec		2	0	2	PEE3&3.1
PEE	8.1	Electrical Apparatus & Devices Lab		0	3	1	PEE3&3.1
PEE	9	Electrical Machines 2 Lec		3	0	3	PEE22&22.1/PEE6&6.1
PEE	9.1	Electrical Machines 2 Lab		0	3	1	PEE22&22.1/PEE6&6.1
AEE	10	Fluid Mechanics		2	0	2	Phys1&1.1
PEE	4	EE Law, Codes & Professional Ethics		3	0	3	GEC 8
PEE	10	Feedback Control Systems		3	0	3	PEE 2/AEE3&3.1
BES	13	Materials Science & Engineering		3	0	3	Chem1&1.1
BES	11	Technopreneurship 101		3	0	3	BES 9
PEE	7.1	Electrical Standards & Practices		0	3	1	Co-reqPEE 4
PEE	15.1	Research Methods		0	3	1	EM 3
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 o		3	0	3	None
PEE	14	EE Elective 1		3	0	3	4th Year Standing
Sub-total				9	0	9	

FOURTH YEAR

FIRST SEMESTER				HRS	HRS	CDT	PREREQ
				LEC	LAB	UN	
GEC	11	Language, Gender and Society		3	0	3	None
PEE	11	Power Systems Analysis Lec		3	0	3	PEE 7.1
PEE	11.1	Power Systems Analysis Lab		0	3	1	PEE 7.1
PEE	13	Elect Sys & Illum Eng'g Design Lec		3	0	3	PEE 9 & 9.1
PEE	13.1	Elect Sys & Illum Eng'g Design Lab		0	6	2	PEE 9 & 9.1
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	

SECOND SEMESTER				HRS	HRS	CDT	PREREQ
				LEC	LAB	UN	
PEE	20.1	Research Project		0	3	1	PEE 15.1
PEE	21.1	Seminar/Colloquia		0	3	1	4th Year Standing
PEE	12	On the Job Training		3	0	3	4th Year Standing
GEC	12	Ecocriticism and Conservation of Nature		3	0	3	None
GEC	9	Life & Works of Rizal		3	0	3	None
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

Carmelita P. Punongbayan, MA
Executive Officer for Academic Affairs