ST. PETER'S COLLEGE **Iligan City**

CURRICULUM FOR FOUR-YEAR COURSE IN BACHELOR OF SCIENCE IN COMPUTER ENGINEERING (BSCpE) STARTING SCHOOL YEAR 2018-2019

FIRST YEAR

FIRST TEAR															
-	FG EM Chem Chem PCpE PCpE GEC GEC GEC PE NSTP	1.1 1 2.1 1 2 3 1	FIRST SEMESTER Calculus 1 Chemistry for Engineers Lec Chemistry for Engineers Lab Computer Eng'g as a Discipline Programming Logic and Design Lab Understanding the Self Reading in Philippine History The Contemporary World Path Fit 1 National Service Training Program 1	HRS 3 3 0 1 0 3 3 3 2 3	LAB HRS 0 0 3 0 6 0 0 0 0 0	CDT UNITS 3 3 1 1 1 2 2 3 3 3 2 2 3 2 4	PREREQ None None None None None None None None	FG	EM Phys Phys PCpE EM PCpE GEC PE NSTP	1.1 3.1 3 4 4 2	SECOND SEMESTER Calculus 2 Physics for Engineers Lec Physics for Engineers Lab Object Oriented Programming Lab Engineering Data Analysis Discrete Mathematics Mathematics for the Modern World Path Fit 2 National Service Training Program 2	LEC HRS 3 0 0 3 3 3 2 3 20		CDT UNITS 3 3 1 2 3 3 3 2 3 2 3	PREREQ EM 1 EM 1 EM 1 PCpE 2.1 EM 1 None PE1 NSTP1
							SEC	ONE	YEA	R					
-	FG EM GEC PCPE BES AC AC GEC GEC BES PE	4 5 5.1 2.1 1 1.1 6 7 7	FIRST SEMESTER Differential Equations Purposive Communication Data Structures and Algorithms Lab Computer-Aided Drafting Fundamental of Electrical Circuits Lec Fundamental of Electrical Circuits Lab Art Appreciation Science, Technology, Engineering and Society Engineering Economics Path Fit 2		0 0 6 3 0 3 0 0 0	CDT UNITS 3 3 2 1 3 1 3 3 3 2 2 24	PREREQ EM 2 None PCpE 3.1 2nd Yr Standin Phys 2&Phys2. Phys 2&Phys2. None None 2nd Yr Standin PE 2	1	PCpE PCpE PCpE PCpE GEC GEC AC AC BES PE	6.1 7 7.1	SECOND SEMESTER Numerical Methods Numerical Methods Lab Software Design Lec Software Design Lab Ethics Life and Works of Rizal Fundamental of Electronics Ciruits Lec Fundamental of Electronics Ciruits Lab Environmental Science and Engineering Path Fit 4	LEC HRS 3 0 3 0 3 3 3 0 3 2			PREREQ EM 4 EM 4 PCpE 5.1 PCpE 5.1 None None AC 1 & AC 1.1 AC 1 & AC 1.1 Chem 1/1.1 PE 3
	THIRD YEAR														
-	PCpE PCpE	8.1 9 10 11.1 12 13 14.1 15	FIRST SEMESTER Logic Circuits and Design Lec Logic Circuits and Design Lab Operating System Data and Digital Communications Introduction to HDL Lab Feedback and Control Systems Fundamental of Mixed Signals and Sensors Computer Engineering Drafting and Design Elective 1 Lec Elective 1 Lab Material Science and Engineering		0 3 0 0 3 0 0 3 0 3 0	3 1 3 3 1 3 3 1 3 1 3 3 1	PREREQ AC 2 &AC 2.1 AC 7 &AC 2.1 AC 7 &AC 2.1 AC 1 &AC 2.1 AC 2.1	22.1	PCpE PCpE PCpE PCpE PCpE BES CpEL CpEL PCpE BES	17 17.1 18 18.1 19 11 20 20.1	Methods of Research Technopreneurship 101 Elective 2 Lec	LEC HRS 3 0 3 0 2 3 0 2 3 0 2 3	HRS 0 0 3 0 3 0 0 0 3 0	3 3 1 3 1 2 3 3 1 2 3 3	PREREQ 3rd Yr Standing PCpE 10 PCpE 10 PCpE 8&8.1 PCpE 8&8.1 PCpE 8&8.1&EM3,GEC 5 3rd Yr Standing CpEL 15 &15.1 CpEL 15 &15.1 3rd Yr Standing 3rd Yr Standing 3rd Yr Standing
	FOURTH YEAR														
	PCpE	23.1 24 24.1 25 26	FIRST SEMESTER Embedded System Lec Embedded System Lab Computer Architecture and Organization Lec Computer Architecture and Organization Lab Emerging Technologies in CpE CpE Practice and Design 1 Lab Digital Signal Processing Lec		LAB HRS 0 3 0 3 0 3 0		PREREQ PCpE 18&18.1 PCpE 18&18.1 PCpE 18&18.1 PCpE 18&18.4 H Yr Standin, PCpE 18&18.	1	PCpE PCpE PCpE	30	SECOND SEMESTER CpE Pracice and Design 2 Seminars and Fieldtrips On the Job Training	LEC HRS 0 0 3			PREREQ PCpE 26 4th Yr. Standing 4th Yr. Standing
ſ	PCnF	27.1	Digital Signal Processing Lab	0	3	1	PCnE 12								

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15 15 20

PCpE 27.1 Digital Signal Processing Lab PCpE 28 Elective 3 Lec

PCpE 28.1 Elective 3 Lab

PCpE 12

CpEL 20&20.1

CpEL 20&20.1

Electives: **Embedded Systems** Microelectronics Software Development System and Network Administration Embedded System 1 Microelectronics 1 Software Development 1 System and Network Development 1 Embedded System 2 Microelectronics 2 Software Development 2 System and Network Development 2 Embedded System 3 Microelectronics 3 Software Development 3 System and Network Development 3 Machine Learning Technopreneurship Big Data Analytics Augmented Reality Big Data Analytics 1 Machine Learning 1 Augmented Reality 1 Technopreneurship 1 Machine Learning 2 Big Data Analytics 2 Augmented Reality 2 Technopreneurship 2 Machine Learning 3 Big Data Analytics 3 Augmented Reality 3 Technopreneurship 3 FIRST NAME _____ ID. NO. _____ FAMILY NAME ___ ___ MI ____ LEAH AQUINO- ALINDAYO, MS ROSALINDA C. BALACUIT, MS EMMA B. MAGRACIA, PhD.

CPE CHAIRMAN

ROSALINDA C. BALACUIT,M! DEAN, COE EMMA B. MAGRACIA, PhD. AEO-ACAF