ST. PETER'S COLLEGE
Iligan City

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

FIRST YEAR

FIRST SEMESTER

FG	SUBJECT CODE		DESCRIPTIVE TITLE	LEC	LAB	UNITS	PREREQ
	CC	101	Introduction to Computing	2	1	3	
	CC	102	Fundamentals of Programming	2	1	3	
	MATH	101	Calculus I	5		5	
	GEC	1	Understanding the Self	3		3	
	GEC	2	Readings in the Philippine History	3		3	
	GEC	3	The Contemporary World	3		3	
	PE	1	PATH-FIT 1	2		2	
	NSTP	1	ROTC/CWTS/LTS	3		3	
						25	

SECOND SEMESTER

FG	SUBJECT CODE		DESCRIPTIVE TITLE	LEC	LAB	UNITS	PREREQ
	CC	103	Intermediate Programming	2	1	3	CC 102
	DS	101	Discrete Structure 1	3		3	
	MATH	102	Calculus II	5		5	MATH 101
	GEC	4	Mathematics in the Modern World			3	
	GEC	5	Purposive Communication			3	
	GEC	6	Art Appreciation			3	
	PE	2	PATH-FIT 2	2		2	PE 1
	NSTP	2	ROTC/CWTS/LTS	3		3	NSTP 1
						25	

SECOND YEAR

FIRST SEMESTER

FG	SUBJECT CODE		DESCRIPTIVE TITLE	LEC	LAB	UNITS	PREREQ
	CC	104	Data Structures & Algorithms	2	1	3	CC 103
	CC	105	Information Management	2	1	3	CC 103
	SDF	101	Object-Oriented Programming	2	1	3	CC 103
	DS	102	Discrete Structure 2	3		3	DS 101
	MATH	103	Linear Algebra	3		3	MATH 102
	GEC	7	Science, Technology & Society	3		3	
	GEC	8	Ethics	3		3	
	GEC	9	Life & Works of Rizal	3		3	
	PE	3	PATH-FIT 3	2		2	PE 2
						26	

SECOND SEMESTER

FG	SUBJECT CODE		DESCRIPTIVE TITLE	LEC	LAB	UNITS	PREREQ
	CC	106	Applications Development & Emerging Technologies	2	1	3	CC105
	AL	101	Design & Analysis of Algorithms	3		3	DS101 & CC104
	PL	101	Programming Languages (Design & Implementation)	2	1	3	CC104
	AR	101	Architecture & Organization	2	1	3	DS101 & CC104
	OS	101	Fundamentals of Operating Systems	2	1	3	CC 104
	GEC	10	History of Muslim Filipinos and the Indigenous Peoples of Mindanao			3	
	GEC	11	Language, Gender, and Society			3	
	GEC	12	Ecocriticism and the Conservation of Nature			3	
	PE	4	PATH-FIT 4	2		2	PE 3
						26	

THIRD YEAR

FIRST SEMESTER

FG	SUBJECT CODE		DESCRIPTIVE TITLE	LEC	LAB	UNITS	PREREQ
	AL	102	Automata Theory and Formal Language	3		3	AL 101
	FBA	101	Fundamentals of Business Analytics	3		3	CC 101
	SE	101	Software Engineering 1	2	1	3	SDF 101
	HCI	101	Fundamentals of Human Computer Interaction	3		3	PL 101
	CS PROF EL	1	CS Professional Elective 1	2	1	3	3rd yr Standing
	CS ELEC	1	CS Elective 1	2	1	3	3rd yr Standing
	CS ELEC	2	CS Elective 2	2	1	3	3rd yr Standing
						21	

SECOND SEMESTER

FG	SUBJECT CODE		DESCRIPTIVE TITLE	LEC	LAB	UNITS	PREREQ
	SE	102	Software Engineering 2	2	1	3	SE 101
	THS	101	CS Thesis 1	3		3	3rd yr Standing
	CS PROF EL	2	CS Professional Elective 2	2	1	3	3rd yr Standing
	CS PROF EL	3	CS Professional Elective 3	2	1	3	3rd yr Standing
	CS ELEC	3	CS Elective 3	3		3	3rd yr Standing
	EDM	101	Fundamentals of Enterprise Data Management	3		3	CC 101
	NC	101	Networks and Communication	2	1	3	CC 103
						21	

FOURTH YEAR

FIRST SEMESTER

FG	SUBJECT CODE		DESCRIPTIVE TITLE	LEC	LAB	UNITS	PREREQ
	SIP	101	Social Issues & Professional Practice	3		3	SE 102
	IAS	101	Information Assurance & Security	3		3	CC 105
	THS	102	CS Thesis 2	2	1	3	THS 101
	CS PROF EL	4	CS Professional Elective 4	2	1	3	4th yr Standing
	CS ELEC	4	CS Elective 4	2	1	3	4th yr Standing
	FAM	101	Fundamentals of Analytics Modeling	3	0	3	FBA 101 & EDM 101
						18	

SECOND SEMESTER

FG	SUBJECT CODE		DESCRIPTIVE TITLE	LEC	LAB	UNITS	PREREQ
	PRAC	101	Practicum (486 hrs)	9		9	4th Yr Standing
	SEMTOUR		Seminars & Tour	3		3	4th Yr Standing
						12	

Computer Science Professional Electives

Descriptive Title	LEC	LAB
Computational Science	2	1
Graphics and Visual Computing	2	1
Parallel and Distributed Computing	2	1
Intelligent Systems	2	1
System Fundamentals	2	1

Computer Science Electives

Descriptive Title	LEC	LAB
Mobile Application Development	2	1
Natural Language Processing	2	1
Modelling and Simulation	2	1
Game Development	2	1
Geograhical Information System	3	
Cloud Computing	2	1

ID No: _____   NAME: _____

                            Last Name   First Name   M.I.

Prepared by: Approved by:

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Acting Dean, CCS   EO for Academic Affairs