



St. Peter's College
ILIGAN CITY
COLLEGE OF COMPUTER STUDIES



CURRICULUM FOR FOUR-YEAR COURSE IN
BACHELOR OF SCIENCE IN COMPUTER SCIENCE
STARTING SCHOOL YEAR 2020-2021

ID NO. _____

NAME: _____

FIRST YEAR

FIRST SEMESTER						
Course No.	Descriptive Title	Lec	Lab	Units	PreReq	FG
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						
Course No.	Descriptive Title	Lec	Lab	Units	PreReq	FG
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						
Course No.	Descriptive Title	Lec	Lab	Units	PreReq	FG
CC 104	Data Structure & Algorithms	2	1	3	CC 103	
CC 105	Information Management	2	1	3	Co-Requisite CC 104	
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						
Course No.	Descriptive Title	Lec	Lab	Units	PreReq	FG
CC 106	Applications Development & Emerging Technologies	2	1	3	CC 105	
AL 101	Design & Analysis of Algorithms	3		3	DS 101 & CC 104	
PL 101	Programming Languages (Design & Implementation)	2	1	3	CC 104	
AR 101	Architecture & Organization	2	1	3	DS 101 & CC 104	
OS 101	Fundamentals of Operating Systems	2	1	3	CC 104	
GEC 10	History of Muslim Filipinos and of the IPs 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						
Course No.	Descriptive Title	Lec	Lab	Units	PreReq	FG
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	1	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						
Course No.	Descriptive Title	Lec	Lab	Units	PreReq	FG
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						
Course No.	Descriptive Title	Lec	Lab	Units	PreReq	FG
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						
Course No.	Descriptive Title	Lec	Lab	Units	PreReq	FG
PRAC 101	Practicum (486 hrs)	9		9	Completed all Professional Courses	
SEMTOUR	Seminars & Tour	3		3	4th yr standing	
				12		

Computer Science Professional Electives

Descriptive Title	Lec	Lab	FG
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	FG
Mobile Application Development	2	1	
Natural Language Processing	2	1	
Modelling and Simulation	2	1	
Game Development	2	1	
Geographical Information System	2	1	
Cloud Computing	2	1	