



Curriculum for Four-Year Course in
BACHELOR OF SCIENCE IN INFORMATION TECHNOLOGY (BSIT)
CMO NO. 25 s. 2015
EFFECTIVE A.Y. 2024 - 2025

FIRST YEAR

First Semester

FG	Subject Code	Descriptive Title	Lec	Lab	Contact Hrs	Units	Pre-requisite
	CC 101	Introduction to Computing	2	1	5	3	
	ITF 101	Information Technology Fundamentals	2	1	5	3	
	MATH 101	Calculus I	5		3	5	
	GEC 1	Understanding the Self	3		3	3	
	GEC 2	Readings in the Philippine History	3		3	3	
	PE 1	PATH-FIT 1 (Movement Competency Training)	2		3	2	
	NSTP 1	NSTP (Civic Welfare Training Service) 1	3		3	3	
Total			20	2	25	22	

Second Semester

FG	Subject Code	Descriptive Title	Lec	Lab	Contact Hrs	Units	Pre-requisite
	CC 102	Fundamentals of Programming	2	1	5	3	
	DS 101	Discrete Structures	3		3	3	
	MATH 102	Calculus II	5		3	5	MATH 101
	GEC 3	The Contemporary World	3		3	3	
	GEC 4	Mathematics in the Modern World	3		3	3	
	PE 2	PATH-FIT 2 (Fitness Training)	2		3	2	PE 1
	NSTP 2	NSTP (Civic Welfare Training Service) 2	3		3	3	NSTP 1
Total			21	1	23	22	

Summer

FG	Subject Code	Descriptive Title	Lec	Lab	Contact Hrs	Units	Pre-requisite
	CC 103	Intermediate Programming	2	1	5	3	CC 102
	HCI 101	Introduction to Human-Computer Interaction	2	1	5	3	CC 102
Total			4	2	10	6	

SECOND YEAR

First Semester

FG	Subject Code	Descriptive Title	Lec	Lab	Contact Hrs	Units	Pre-requisite
	CC 104	Data Structures & Algorithms	2	1	5	3	CC 103
	CC 105	Information Management	2	1	5	3	Co-requisite CC 104
	IM 101	Fundamentals of Database Systems	2	1	5	3	2nd year standing
	IPT 101	Integrative Programming & Technologies 1	2	1	5	3	2nd year standing
	SDF 101	Object-Oriented Programming	2	1	5	3	CC 103
	GEC 5	Purposive Communication	3		3	3	
	GEC 6	Art Appreciation	3		3	3	
	PE 3	PATH-FIT (Menu of Dancee, Sports, Martial Arts, Group Exercises, Outdoor & Adventure Activities)	2		3	2	PE 2
Total			18	5	34	23	

Second Semester

FG	Subject Code	Descriptive Title	Lec	Lab	Contact Hrs	Units	Pre-requisite
	PF 102	Event-Driven Programming	2	1	5	3	CC 104
	MS 101	Quantitative Methods	3		3	3	DS 101
	CC 106	Applications Development & Emerging Technologies	2	1	5	3	IM 101
	SIA 101	Fundamentals of System Integration & Architecture	2	1	5	3	IPT 101
	GEC 7	Science, Technology, & Society	3		3	3	
	GEC 8	Ethics	3		3	3	
	GEC 9	Life and Works of Rizal	3		3	3	
	PE 4	PATH-FIT (Menu of Dancee, Sports, Martial Arts, Group Exercises, Outdoor & Adventure Activities)	2		3	2	PE 3
Total			20	3	30	23	

Summer

FG	Subject Code	Descriptive Title	Lec	Lab	Contact Hrs	Units	Pre-requisite
	IM 102	Advanced Database Systems	2	1	5	3	CC 105 & IM 101
	NET 101	Fundamentals of Networking	2	1	5	3	2nd year standing
	PMT 101	PC Maintenance & Troubleshooting	2	1	5	3	2nd year standing
Total			6	3	15	9	

THIRD YEAR

First Semester

FG	Subject Code	Descriptive Title	Lec	Lab	Contact Hrs	Units	Pre-requisite
	NET 102	Advanced Networking	2	1	5	3	NET 101
	SP 101	Social and Professional Issues 1	3		3	3	3rd year standing
	IAS 101	Information Assurance and Security 1	2	1	5	3	SIA 101
	IT PROF EL 1	Integrative Programming Technologies 2	2	1	5	3	3rd year standing
	GID 101	Graphical User Interface & Integration Design	2	1	5	3	3rd year standing
	IT ELEC 1	Mobile Application Development	2	1	5	3	3rd year standing
	RM 101	Research Methods	3		3	3	3rd year standing
Total			16	5	31	21	

Second Semester

FG	Subject Code	Descriptive Title	Lec	Lab	Contact Hrs	Units	Pre-requisite
	SP 102	Social and Professional Issues 2	3		3	3	SP 101
	IAS 102	Information Assurance & Security 2	2	1	5	3	IAS 101
	CAP 101	Capstone Project 1	3		3	3	RM 101
	IT PROF EL 2	Human-Computer Interaction 2	2	1	5	3	3rd year standing
	IT PROF EL 3	Platform Technologies	2	1	5	3	3rd year standing
	GEC 10	History of Muslim Filipinos and of the IP's of Mindanao	3		3	3	
	GEC 11	Language, Gender, and Society	3		3	3	
Total			18	3	27	21	

Summer

FG	Subject Code	Descriptive Title	Lec	Lab	Contact Hrs	Units	Pre-requisite
	IT ELEC 2	Information Security	2	1	5	3	3rd year standing
	IT ELEC 3	Game Development	2	1	5	3	3rd year standing
	GEC 12	Ecocriticism and the Conservation of Nature	3		3	3	
Total			7	2	13	9	

FOURTH YEAR

First Semester

FG	Subject Code	Descriptive Title	Lec	Lab	Contact Hrs	Units	Pre-requisite
	CAP 102	Capstone Project 2	2	1	5	3	CAP 101
	SA 101	System Administration & Maintenance	2	1	5	3	IAS 102
	WS 101	Web Systems & Technologies 1	2	1	5	3	IM 101
	CMS 101	Content Management System	2	1	5	3	4th year standing
	DMS 101	Digital Marketing & Strategies	2	1	5	3	4th year standing
	IT PROF EL 4	Advanced System Integration & Architecture	2	1	5	3	4th year standing
	IT ELEC 4	Business Intelligence	3		3	3	4th year standing
Total			15	6	33	21	

Second Semester

FG	Subject Code	Descriptive Title	Lec	Lab	Contact Hrs	Units	Pre-requisite
	PRAC 101	Practicum (486 hrs)	9			9	Passed all Professional Courses
	SEMTOUR	Seminars & Tour	3			3	4th year standing
Total			12			12	

Information Technology Professional Electives

Subject Code	Descriptive Title	Lec	Lab	Units	Subject Code	Descriptive Title	Lec	Lab	Units
IT PROF EL 1	Integrative Programming Technologies 2	2	1	3	IT ELEC 1	Mobile Application Development	2	1	3
IT PROF EL 2	Human-Computer Interaction 2	2	1	3	IT ELEC 2	Information Security	2	1	3
IT PROF EL 3	Platform Technologies	2	1	3	IT ELEC 3	Game Development	2	1	3
IT PROF EL 4	Advanced System Integration & Architecture	2	1	3	IT ELEC 4	Business Intelligence	3		3
IT PROF EL 5	Web Systems and Technologies	2	1	3	IT ELEC 5	Virtualization & Cloud Computing	3	1	3
					IT ELEC 6	Technopreneurship	2		3

ID No. _____

Name: _____
Last name First name M.I.

Prepared by:

Noted by:

MELLANIE S. GAMBE, MSIT

Dean, CCS

REBECCA M. ALCUIZAR, Ph.D.

Vice-President for Academic Affairs

Disclaimer:

1. Subject taken without the Pre-requisite will not be credited
2. The enrolling officer nor the school is liable when the subject/s enrolled in the current semester did not follow the required pre-requisite.



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



CURRICULUM FOR FOUR-YEAR COURSE IN
BACHELOR OF SCIENCE IN INFORMATION TECHNOLOGY
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		
ITF 101	Information Technology Fundamentals	3	1	3		
MATH 101	Calculus I	5		5		
GEC 1	Understanding the Self	3		3		
GEC 2	Readings in the Philippine History	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		
HCI 101	Introduction to Human Computer Interaction	2	1	3	CC 102	
MATH 102	Calculus II	5		5	MATH 101	
GEC 3	The Contemporary World			3		
GEC 4	Mathematics in the Modern World			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	
MS 101	Quantitative Methods	3		3	DS 101	
IPT 101	Integrative Programming & Technologies 1	2	1	3	2nd yr standing	
IM 101	Fundamentals of Database Systems	2	1	3	2nd yr standing	
SDF 101	Object-Oriented Programming	2	1	3	CC 103	
GEC 5	Purposive Communication	3		3		
GEC 6	Art Appreciation	3		3		
PE 3	PATH-FIT 3	2		2	PE 2	
				26		

SECOND SEMESTER						
Course No.	Descriptive Title	Lec	Lab	Units	PreReq	FG
PF 102	Event-Driven Programming	2	1	3	CC 104	
NET 101	Fundamentals of Networking	2	1	3	2nd yr standing	
CC 106	Applications Development & Emerging Technologies	2	1	3	CC 105	
IM 102	Advance Database Systems	2	1	3	IM 101	
SIA 101	Fundamentals of System Integration & Architecture	2	1	3	IPT 101	
GEC 7	Scienc, Technology & Society	3		3		
GEC 8	Ethics	3		3		
GEC 9	Life and Works of Rizal	3		3		
PE 4	PATH-FIT 4	2		2	PE 3	
				26		

THIRD YEAR

FIRST SEMESTER						
Course No.	Descriptive Title	Lec	Lab	Units	PreReq	FG
NET 102	Advanced Networking	2	1	3	NET 101	
SP 101	Social and Professional Issues 1	3		3	3rd yr standing	
IAS 101	Information Assurance and Security 1	2	1	3	SIA 101	
IT PROF EL 1	IT Professional Elective 1	2	1	3	3rd yr standing	
FBA 101	Fundamentals of Business Analytics	3		3	CC 101	
IT ELEC 1	IT Elective 1	2	1	3	3rd yr standing	
GEC 10	History of Muslim Filipinos and of the IPs of Mindanao	3		3		
				21		

SECOND SEMESTER						
Course No.	Descriptive Title	Lec	Lab	Units	PreReq	FG
SP 102	Social and Professional Issues 2	3		3	SP 101	
IAS 102	Information Assurance and Security 2	2	1	3	IAS 101	
CAP 101	Capstone Project 1	3		3	3rd yr standing	
IT PROF EL 2	IT Professional Elective 2	2	1	3	3rd yr standing	
EDM 101	Fundamentals of Enterprise Data Management	3		3	CC 101	
GEC 11	Language, Gender & Society	3		3		
GEC 12	Ecocriticism and the Conservation of Nature	3		3		
				21		

FOURTH YEAR

FIRST SEMESTER						
Course No.	Descriptive Title	Lec	Lab	Units	PreReq	FG
CAP 102	Capstone Project 2	2	1	3	CAP 101	
SA 101	Systems Administration & Maintenance	2	1	3	IAS 102	
WS 101	Web Systems & Technologies 1	2	1	3	IM 101	
FAM 101	Fundamentals of Analytics Modeling	3		3	FBA 101 & EDM 101	
IT PROF EL 3	IT Professional Elective 3	2	1	3	4th yr standing	
IT PROF EL 4	IT Professional Elective 4	2	1	3	4th yr standing	
IT ELEC 2	IT Elective 2	3		3	4th yr standing	
IT ELEC 3	IT Elective 3	3		3	4th yr standing	
				24		

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		

Information Technology Professional Electives

Descriptive Title	Lec	Lab	FG
Integrative Programming Technologies 2	2	1	
Platform Technologies	2	1	
Web Systems and Technologies 2	2	1	
Advanced System Integration & Architecture	2	1	
Human Computer Interaction 2	2	1	

Information Technology Electives

Descriptive Title	Lec	Lab	FG
Mobile Application Development	2	1	
Game Development	2	1	
System Analysis and Design	2	1	
Information Security	2	1	
Software Quality Assurance	2	1	
Cloud Computing	2	1	