BACHELOR OF SCIENCE IN COMPUTER SCIENCE
Per CMO No. CMO No. 25 series of 2015

Effective School Year 2018-2019

FIRST YEAR

First Semester

Subject	Descriptive Title	Lec	Lab	Total	Pre-req.
GE 4	Mathematics in the Modern World	3		3	
GE 5	Purposive Communication	3		3	
GE 6	Art Appreciation	3		3	
FIL 1	Akademiko sa Wikang Filipino	3		3	
CSC 100	Introduction to Computing	3		3	
CSC 101	Computer Programming I	2	1	3	
PE 1	Physical Fitness and Health	2		2	
NSTP 1	National Service Training Program I	3		3	
	TOTAL	22	1	23	

EN PRECAL	Pre-Calculus	3		
EN COMP	Computer Hardware Servicing	3		
	TOTAL			29

Second Semester

Subject	Descriptive Title	Lec	Lab	Total	Pre-req.
GE 1	Understanding the Self	3		3	
GE 2	Readings in Philippine History	3		3	
GE 3	The Contemporary World	3		3	
LIT 1	Philippine Literature	3		3	
CSC 103	Discrete Structures I	3		3	CSC 100
CSC 104	Computer Programming II	2	1	3	CSC 100, CSC 101
CSC 105	Data Structures & Algorithms	2	1	3	CSC 100, CSC 101
PE 2	Recreational Games and Sports	2		2	PE 1
NSTP 2	National Service Training Program 2	3		3	NSTP I
	TOTAL	24	2	26	

EN BACAL	Basic Calculus	3		
	TOTAL			29

SECOND YEAR

First Semester

Subject	Descriptive Title	Lec	Lab	Total	Pre-req.
GE 7	Science, Technology and Society	3		3	
GE 8	Ethics	3		3	
CSC 200	Object-Oriented Design & Programming	2	1	3	CSC 105, CSC 101
CSC 201	Information Management	3		3	2nd Year Standing
CSC 202	Discrete Structures II	3		3	CSC 103
CSC 203	Algorithms and Complexity	2	1	3	CSC 105, CSC 104
CSC 204	Programming Languages	2	1	3	CSC 104
Eng 127	Business Communication I	3		3	GE 5
PE 3	Rhythmic and Social Recreation	2		2	PE 1
	TOTAL	23	3	26	

Second Semester

Subject	Descriptive Title	Lec	Lab	Total	Pre-req.
GE 9	Life and Works of Rizal	3		3	
GE 10	Environmental Science	3		3	
CSC 205	Architecture and Organization	2	1	3	CSC 202, CSC 105
CSC 206	Human Computer Interaction	2	1	3	CSC 104
CSC 207	Operating Systems	2	1	3	CSC 200
CSC 208	Modelling & Simulation	2	1	3	2nd Year Standing
CSC 209	Graphics & Visual Computing	2	1	3	2nd Year Standing
Eng 128	Business Communication II	3		3	Eng 127
PE 4	Cultural Presentation & Sports Management	2		2	PE 1
	TOTAL	21	5	26	

THIRD YEAR

First Semester

Subject	Descriptive Title	Lec	Lab	Total	Pre-req.
GE 11	Gender and Society	3		3	
CSC 300	Systems Analysis & Design	2	1	3	CSC 206
CSC 301	Seminars & Field Trips	3		3	3rd Year Standing
CSC 302	Network and Communication	2	1	3	3rd Year Standing
CSC 303	Software Engineering I	2	1	3	CSC 200
CSC 304	Web Programming	2	1	3	CSC 200, CSC 206
SYS 100	Principles of Systems Thinking	3		3	Eng 128
BPO 1	Fund. of BPO 1	3		3	Eng 128
SERV 100	Service Culture	3		3	Eng 128
	TOTAL	23	4	27	

Second Semester

Subject	Descriptive Title	Lec	Lab	Total	Pre-req.
GE 12	Philippine Popular Culture	3		3	
CSC 305	Application Development & Emerging Technologies	2	1	3	CSC 300
CSC 306	Software Engineering II	2	1	3	CSC 303
CSC 307	Intellectual Property Basic	3		3	3rd Year Standing
CSC 308	Information Assurance & Security	2	1	3	CSC 201, CSC 302
CSC 309	Automata Theory & Formal Language	2	1	3	CSC 203
BPO 2	Fund of BPO 2	3		3	BPO 1, SYS 100, SERV 100
Math 305	Numerical Analysis	5		5	GE 4
	TOTAL	22	4	26	

SUMMER

Subject	Descriptive Title	Lec	Lab	Total	Pre-req.
CSC 400	Internship 1 (300 hours)	3		3	Must have taken at least 90% of the 1st to 3rd yr minor subjects and 100% of the 1-3rd yr major subjects

FOURTH YEAR

First Semester

Subject	Descriptive Title	Lec	Lab	Total	Pre-req.
CSC 401	Internship 2 (500 hours)	3		3	CSC 400
CSC 402	Thesis 1	3		3	4th Year Standing
	TOTAL	6	0	6	

Second Semester

Subject	Descriptive Title	Lec	Lab	Total	Pre-req.
CSC 403	Thesis 2	3		3	CSC 402
CSC 404	Social Issues and Professional Practice	3		3	4th Year Standing
CSC 405	Artificial Intelligence	2	1	3	4th Year Standing
	TOTAL	8	1	9	

First Revision: August 2020

Summary

	No. of Units
Gen. Ed. Subjects	42
Common Courses	21
Professional Courses	57
Professional Electives	12
Additional Professional/Domain (Track Elective) Courses	21
Advanced Math Requirements	5
P.E.	8
NSTP	6
TOTAL	172
Enhancement (for SHS Off-Track)	9
TOTAL	181

Note:
1. Students must be responsible with the pre-requisite subjects
2. Students must maintain a GPA of not less than 80% or 2.5 every semester