



**BACHELOR OF SCIENCE IN COMPUTER SCIENCE (BSCS)**  
*(based on CMO 25, s. 2015)*  
AY 2018-2019

Name		Nationality	
Address		Date of Birth	
Date of Entrance		Date of Graduation	
Degree	BS Computer Science	Major	
Sr. High School		Address	

Course Code	Course Title	Credit		Contact Hours		Pre Requisite	Instructor/ Professor	Final Grade	Remarks
		Lec	Lab	Lec	Lab				

FIRST YEAR

First Semester									
GNED 02	Ethics	3		3		none			
GNED 05	Purposive Communication	3		3		none			
GNED 10	Kontekstwalisadong Komunikasyon sa Filipino	3		3		none			
COSC 50	Discrete Structures I	3		3		none			
DCIT 21	Introduction to Computing	2	1	2	3	none			
DCIT 22	Computer Programming 1	1	2	1	6	none			
FITT 1	Movement Enhancement	2		2		none			
NSTP 1	CWTS/ROTC/LTS	(3)		3		none			
CvSU 101	Institutional Orientation (non-credit)	(1)		1		none			
		17	3	21	9				

Second Semester									
GNED 01	Arts Appreciation	3		3		none			
GNED 06	Science, Technology, and Society	3		3		none			
GNED 12	Dalumat Ng/Sa Filipino	3		3		GNED 10			
GNED 03	Mathematics in the Modern World	3		3		none			
DCIT 23	Computer Programming 2	1	2	1	6	DCIT 22			
ITEC 50	Web System and Technologies 1	2	1	2	3	DCIT 21			
FITT 2	Fitness Exercise	2		2		FITT 1			
NSTP 2	CWTS/ROTC/LTS	(3)		3		NSTP 1			
		17	3	20	9				

SECOND YEAR

First Semester									
GNED 04	Mga Babasahin Hinggil sa Kasaysayan ng Pilipinas	3		3		None			
MATH 1	Analytic Geometry	3		3		GNED 03			
COSC 55	Discrete Structures II	3		3		COSC 50			
COSC 60	Digital Logic Design	2	1	2	3	COSC 50, DCIT 23			
DCIT 50	Object Oriented Programming	2	1	2	3	DCIT 23			
DCIT 24	Information Management	2	1	2	3	DCIT 23			
INSY 50	Fundamentals of Information Systems	3		3		DCIT 21			
FITT 3	Physical Activities towards Health and Fitness 1	2		2		FITT 1			
		20	3	20	9				

Second Semester									
GNED 08	Understanding the Self	3		3		None			
GNED 14	Panitikang Panlipunan	3		3		None			
MATH 2	Calculus	3		3		MATH 1			
COSC 65	Architecture and Organization	2	1	2	3	COSC 60			
COSC 70	Software Engineering I	3		3		24			
DCIT 25	Data Structures and Algorithms	2	1	2	3	DCIT 23			
DCIT 55	Advanced Database Management System	2	1	2	3	DCIT 24			
FITT 4	Physical Activities towards Health and Fitness 2	2		2		FITT 1			
		20	3	20	9				

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		Lec	Lab	Lec	Lab				

THIRD YEAR

First Semester									
MATH 3	Linear Algebra	3		3		MATH 2			
COSC 75	Software Engineering II	2	1	2	3	COSC 70			
COSC 80	Operating Systems	2	1	2	3	DCIT 25			
COSC 85	Networks and Communication	2	1	2	3	ITEC 50			
COSC 101	Computer Graphics and Visual Computing	2	1	2	3	DCIT 23			
DCIT 26	Applications Development and Emerging Technologies	2	1	2	3	ITEC 50			
DCIT 65	Social and Professional Issues	3		3		None			
		16	5	16	15				

Second Semester									
GNED 09	Life and Works of Rizal	3		3		GNED 04			
MATH 4	Experimental Statistics	2	1	2	3	MATH 2			
COSC 90	Design and Analysis of Algorithm	3		3		DCIT 25			
COSC 95	Programming Languages	3		3		DCIT 25			
COSC 106	Introduction to Game Development	2	1	2	3	MATH 3, COSC 101			
DCIT 60	Methods of Research	3		3		3rd yr. Standing			
ITEC 85	Information Assurance and Security	2		2		DCIT 24			
		18	2	18	6				

Mid Year Class									
COSC 199	Practicum (200 hrs.)	3		3		3rd. Year Standing			
		3	0	3	0				

FOURTH YEAR

First Semester									
ITEC 80	Human Computer Interaction	1		1		ITEC 85			
COSC 100	Automata Theory and Formal Languages	3		3		COSC 90			
COSC 105	Intelligent Systems	2	1	2	3	MATH 4, COSC 55, DCIT 50			
COSC 111	Internet of Things	2	1	2	3	COSC 60			
COSC 200A	Undergraduate Thesis I	3		1		4th year Standing			
		11	2	9	6				

Second Semester									
GNED 07	The Contemporary World	3		3		None			
GNED 10	Gender and Society	3		3		None			
COSC 110	Numerical and Symbolic Computation	2	1	2	3	COSC 60			
COSC 200B	Undergraduate Thesis II	3		1		COSC 200A			
		11	1	9	3				

Summary		
A. General Education	39	<b>Total Lecture: 139   Total Laboratory: 23</b>
B. Common Courses	18	
C. Professional Courses	69	
D. Professional Electives	9	
E. Additional Math Requirement	12	
F. Physical Education	8	
G. National Service Training Program	6	
H. Institutional Orientation	1	
<b>TOTAL UNITS   <u>162</u></b>		