



**BACHELOR OF SCIENCE IN COMPUTER SCIENCE**  
*Approved Curriculum Based on CMO 25 s. 2015*  
*URS Academic Council Resolution Number 05, series 2020*  
*BOR Resolution No. 02 series of 2021*

**First Year - First Semester**

Course Code	Descriptive Title	Hours/Wk Lec/Lab	No. of Unit & Hours	Prerequisite/ Corequisite
Self 1	Understanding the Self	3	3	
Math 1	Mathematics in the Modern World	3	3	
Eng 1	Purposive Communication	3	3	
Elective 1	Environmental Science	3	3	
ITE 3	Introduction to Computing	2/3	3	
ITE 4	Computer Programming 1	2/3	3	
PE 1	Physical Fitness	2	2	
NSTP 1	National Service Training Program	3	3	
<b>TOTAL</b>			<b>23</b>	

**First Year - Second Semester**

Course Code	Descriptive Title	Hours/Wk Lec/Lab	No. of Unit & Hours	Prerequisite/ Corequisite
STS	Science, Technology and Society	3	3	
Hum 1	Art Appreciation	3	3	
Elective 2	Gender and Society	3	3	
Math Elec 1	General Physics	3	3	
ITE 5	Computer Programming 2	2/3	3	ITE 4
CS 1	Discrete Structures 1	3	3	
PE 2	Rhythmic Activities	2	2	PE 1
NSTP 2	National Service Training Program	3	3	NSTP 1
<b>TOTAL</b>			<b>23</b>	

**Second Year - First Semester**

Course Code	Descriptive Title	Hours/Wk Lec/Lab	No. of Unit & Hours	Prerequisite/ Corequisite
Hist 1	Readings in Philippine History	3	3	
CW 1	The Contemporary World	3	3	
Ethics	Ethics	3	3	
ITE 6	Data Structures and Algorithms	3	3	ITE 5
CS 2	Object-Oriented Programming	2/3	3	ITE 5
CS 3	Discrete Structures 2	3	3	CS 1
PE 3	Individual / Dual Sports	2	2	PE 1
<b>TOTAL</b>			<b>20</b>	

**Second Year - Second Semester**

Course Code	Descriptive Title	Hours/Wk Lec/Lab	No. of Unit & Hours	Prerequisite/ Corequisite
Rizal 1	Life and Works of National Hero Dr. Jose Rizal	3	3	
Elective 3	Statistics with Computer Applications	3	3	
ITE 7	Application Development and Emerging Technologies	2/3	3	ITE 5
ITE 8	Information Management	2/3	3	ITE 6, CS 2
CS 4	Algorithms and Complexity	3	3	
CS 5	Web Development	2/3	3	ITE 4
PE 4	Team Sports/Games	2	2	PE 1
<b>TOTAL</b>			<b>20</b>	

Third Year - First Semester

Course Code	Descriptive Title	Hours/Wk Lec/Lab	No. of Unit & Hours	Prerequisite/ Corequisite
CS ELEC 1	CS Elective 1	2/3	3	
CS 6	Advanced Web Programming	2/3	3	CS 5
CS 7	System Analysis and Design	3	3	CS 5
CS 8	Architecture and Organization	3	3	ITE 3
CS 9	Automata Theory and Formal Languages	3	3	CS 4
CS 10	Information Assurance and Security	3	3	
TOTAL			18	

Third Year - Second Semester

Course Code	Descriptive Title	Hours/Wk Lec/Lab	No. of Unit & Hours	Prerequisite/ Corequisite
CS Thesis 1	CS Thesis Writing 1	3	3	3rd Yr Standing
CS ELEC 2	CS Elective 2	2/3	3	
CS 11	Programming Languages	2/3	3	CS 5
CS 12	Software Engineering	2/3	3	CS 6, CS 7
CS 13	Social Issues and Professional Practice	3	3	
			15	

Fourth Year - First Semester

Course Code	Descriptive Title	Hours/Wk Lec/Lab	No. of Unit & Hours	Prerequisite/ Corequisite
CS Thesis 2	CS Thesis Writing 2	3	3	CS Thesis 1
CS ELEC 3	CS Elective 3	2/3	3	
CS 14	Human Computer Interaction	3	3	
CS 15	Operating Systems	2/3	3	CS 8
CS 16	Networks and Communications	2/3	3	CS 8
TOTAL			15	

Fourth Year - Second Semester

Course Code	Descriptive Title	Hours/Wk Lec/Lab	No. of Unit & Hours	Prerequisite/ Corequisite
CS 17	Practicum (300 hours)		3	4th yr standing
TOTAL			3	

BSCS ELECTIVE:

Computational Science  
Graphics and Visual Computing  
Parallel and Distributed Computing

Intelligent Systems  
System Fundamentals

SUMMARY

BSCS	CHED	URS
General Education	36	36
Common Courses	18	18
Professional Course	48	57
Professional Elective	9	9
Additional Math Requirement	3	3
PE	8	8
NSTP	6	6
TOTAL	128	137