

BACHELOR OF SCIENCE IN COMPUTER SCIENCE (BSCS)

(List of Courses by Semester)

BOR Resolution No. #57, Series of 2017

First Year, First Semester

Course No	Course Title	Units	Hours/Week			Pre-requisite(s)	Core-quisite(s)
			Lec	Lab	Total		
CCC100	Fundamentals Of Computing	3	2	3	5	None	None
CCC101	Computer Programming 1	3	2	3	5	None	None
MAT051	Calculus 1	5	0	5	5	None	None
GEC105	Reading in Philippine History	3	3	0	3	None	None
FIL101	Wika at Kultura sa Mapayapang Lipunan	3	3	0	3	None	None
PED001	Exercise Prescription and Management	2	2	0	2	None	None
NST001	National Service Training Program 1	(3)	3	0	3	None	None
Total		19(22)	20	6	26		

First Year, Second Semester

Course No	Course Title	Units	Hours/Week			Pre-requisite(s)	Core-quisite(s)
			Lec	Lab	Total		
CCC102	Computer Programming 2	3	2	3	5	CCC100	None
MAT061	Calculus 2	5	5	0	5	MAT051	None
MAT101	Logic and Set Theory	3	3	0	3	MAT051	None
GEC103	The Contemporary World	3	3	0	3	None	None
FIL102	Ekokritisismo at Pagpapahalaag sa Kalikasan	3	3	0	3	None	None
PED002	Dance / Martial Arts	2	2	0	2	PED001	None
NST002	National Service Training Program 2	(3)	3	0	3	NST001	None
Total		19(22)	21	3	24		

Second Year, First Semester

Course No	Course Title	Units	Hours/Week			Pre-requisite(s)	Core-quisite(s)
			Lec	Lab	Total		
CCC121	Data Structure and Algorithm	3	2	3	5	CCC102	None
STT101	Descriptive and Inferential Statistics	4	4	0	4	None	None
CSC130	Discrete Structures	3	3	0	3	MAT101/CSC141	None
CSC142	Automata, Computability, and Complexity	3	3	0	3	None	None
GEC106	Art Appreciation	3	3	0	3	None	None
HIS003	History of Filipino Muslims and Indigenous People of MINSUPALA	3	3	0	3	None	None
PED003	Individual / Dual Sports / Traditional / Recreational Games	2	2	0	2	PED001	None
Total		21	20	3	23		

Second Year, Second Semester

Course No	Course Title	Units	Hours/Week			Pre-requisite(s)	Core-quisite(s)
			Lec	Lab	Total		
CCC151	Information Management	3	2	3	5	CCC121	None
CSC112	Computer Organization and Architecture	4	3	3	6	CCC102	None
CSC124	Design and Analysis of Algorithms	3	2	3	5	CCC121	None
CSC	Human – Computer Interaction	3	2	3	5	CCC102	None
GEC102	Purposive Communication	3	3	0	3	None	None
GEC109	Life and Works of Rizal	3	3	0	3	None	None
PED004	Team Sports	2	2	0	2	PED001	None
Total		21	17	12	29		

Third Year, First Semester

Course No	Course Title	Units	Hours/Week			Pre-requisite(s)	Core-quisite(s)
			Lec	Lab	Total		
CCC181	Applications Development and Emerging Technologies	3	2	3	5	CCC151	None
CSC145	Programming Languages	3	3	0	3	CSC142	None
CSC115	Introduction to Operating System	3	3	0	3	CSC112	None
CSC171	Introduction to Artificial Intelligence	3	3	0	3	CCC121	None
CSC181	Software Engineering	4	3	3	6	CCC151	None
FPE101	Fundamentals of Peace Education	3	3	0	3	None	None
Total		19	17	6	23		

Third Year, Second Semester

Course No	Course Title	Units	Hours/Week			Pre-requisite(s)	Core-quisite(s)
			Lec	Lab	Total		
CSC113	Computer Networks and Data Communications	3	3	0	3	CSC155	None
CSC133	Modeling and Simulation	3	3	0	3	MAT061	None
CSC161	Computer System Security	3	3	0	3	CSC155	None
CSC175	Parallel and Distributed Computing	3	3	0	3	CSC155	None
CSC194	Computer Science Seminar	1	1	0	1	CSC181	None
GEC101	Understanding the Self	3	3	0	3	None	None
GEC104	Mathematics in the Modern World	3	3	0	3	None	None
Total		19	29	0	3		

Third Year, Summer Term

Course No	Course Title	Units	Hours/Week			Pre-requisite(s)	Core-quisite(s)
			Lec	Lab	Total		
CSC197	Practicum	0	0	200	200	CSC181	None
Total		0	0	200	200		

Fourth Year, First Semester

Course No	Course Title	Units	Hours/Week			Pre-requisite(s)	Core-quisite(s)
			Lec	Lab	Total		
CSC193	Special Topics in Computer Science	3	3	0	3	CSC194	None
CSC198	Research Methods	3	3	0	3	CSC194	None
Elective 1	(CS Elective)	3	3	0	3	(As the course requires)	
Elective 2	(Free Technical Elective 1)	3	3	0	3	(As the course requires)	
GEC107	Ethics	3	3	0	3	None	None
Total		15	15	0	15		

Fourth Year, Second Semester

Course No	Course Title	Units	Hours/Week			Pre-requisite(s)	Core-quisite(s)
			Lec	Lab	Total		
CSC109	Social, Ethics, and Professional Issues	3	3	0	3	CSC194	None
CSC199	Undergraduate Thesis	3	3	0	3	CSC198	None
Elective 3	(Free Technical Elective 2)	3	3	0	3	(As the course requires)	
GEC108	Science, Technology and Society	3	3	0	3	None	None
Total		12	12	0	15		

Grand Total: 145 (151) units