

BACHELOR OF SCIENCE IN COMPUTER SCIENCE (BSCS)

(List of Courses by Semester)

BOR Resolution No.357, Series of 2017

First Year, First Semester

COURSE NO.	COURSE TITLE	UNITS	HOURS / WEEK			PRE-REQUISITE	Corequisite
			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	5	0	5	None	None
GEC105	Readings in Philippine History	3	3	0	3	None	None
GEC120 / FIL101	Wika at Kultura sa Mapayapang Lipunan	3	3	0	3	None	None
PED011	Exercise Prescription 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	HOUR PER WEEK			PRE-REQUISITE	Corequisite
			LEC	LAB	TOTAL		
CCC102	Computer Programming 2	3	2	3	5	CCC 101	None
MAT61	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
GEC130/ FIL102	Ekokritisismo at Pagpapahalaga sa Kalikasan	3	3	0	3	None	None
PED0012	Dance / Martial Arts	2	2	0	2	PED011	None
HAL101	Fundamentals of Halal	3	3	0	3	None	None
NST002	National Service Training Program 2	(3)	3	0	3	NSTP 001	None
	Total	19 (22)	24	3	27		

Second Year, First Semester

COURSE NO.	COURSE TITLE	UNITS	HOURS / WEEK			PRE-REQUISITE	Corequisite
			LEC	LAB	TOTAL		
							None
CCC121	Data Structures and Algorithms	3	2	3	5	CCC 102	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	MAT101/ CSC141	None
GEC106	Art Appreciation	3	3	0	3	None	None
HIS003	History of Filipino Muslim and Indigenous People of MINSUPALA	3	3	0	3	None	None
PED013	Individual/Dual Sports/Traditional/Recreational Games	2	2	0	2	PED011	None
	Total	21	20	3	23		

Second Year, Second Semester

COURSE NO.	COURSE TITLE	UNITS	HOURS / WEEK			PRE-REQUISITE	Corequisite
			LEC	LAB	TOTAL		
CCC151	Information Management	3	2	3	5	CCC 121	None
CSC112	Computer Organization and Architecture	4	3	3	6	CCC 102	None
CSC124	Design and Analysis of Algorithms	3	2	3	5	CCC 121	None
CSC186	Human - Computer Interaction	3	2	3	5	CCC 102	None
GEC102	Purposive Communication	3	3	0	3	None	None
GEC109	Life and Works of Rizal	3	3	0	3	None	None
PED014	Team Sports	2	2	0	2	PED011	None
	Total	21	18	9	27		

Third Year, First Semester

COURSE NO.	COURSE TITLE	UNITS	HOURS / WEEK			PRE-REQUISITE	Corequisite
			LEC	LAB	TOTAL		
CCC181	Applications Development and Emerging Technologies	3	2	3	5	CCC 151	None
CSC145	Programming Languages	3	2	3	5	CSC 142	None
CSC155	Introduction to Operating Systems	3	2	3	5	CSC 112	None
CSC171	Introduction to Artificial Intelligence	3	3	0	3	CCC 121	None
CSC181	Software Engineering	4	3	3	6	CCC 151	None
FPE101	Fundamentals of Pease Education	3	3	0	3	None	None
	Total	19	15	12	27		

Third Year, Second Semester

COURSE NO.	COURSE TITLE	UNITS	HOURS / WEEK			PRE-REQUISITE	Corequisite
			LEC	LAB	TOTAL		
CSC113	Computer Networks and Data Communications	3	2	3	5	CSC155	None
CSC133	Modeling and Simulation	3	3	0	3	MAT 061	None
CSC161	Computer Systems Security	3	3	0	3	CSC155	None
CSC175	Parallel and Distributed Computing	3	3	0	3	CSC 155	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	18	3	21		

Third Year, Summer Semester

COURSE NO.	COURSE TITLE	UNITS	HOURS / WEEK			PRE-REQUISITE	Corequisite
			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	Corequisite
			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	Corequisite
			LEC	LAB	TOTAL		
CSC109	Social, Ethical, 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	12		

Grand Total: 145 (151) units

Computing Courses for Other Disciplines:

COURSE NO.	COURSE TITLE	UNITS	HOURS / WEEK			PRE-REQUISITE	Corequisite
			LEC	LAB	TOTAL		
CSC010	Computational Thinking for All	3	3	0	3	None	None
CSC011	Programming for Scientific Computing	3	2	3	5	None	None

Professional Electives:

COURSE NO.	COURSE TITLE	UNITS	HOURS / WEEK			PRE-REQUISITE	Corequisite
			LEC	LAB	TOTAL		
CSC153	Assemblers, Interpreters, and Compilers	4	3	3	6	CSC145	None
CSC157	Computer Graphics	3	2	3	5	MAT121	None
CSC172	Data Mining and Analysis	3	3	0	3	CCC181	None
CSC173	Intelligent Systems	3	3	0	3	CSC171	None
CSC183	Software Requirements Analysis	3	2	3	5	CSC181	None
CSC184	Software Architecture Design	4	3	3	6	CSS181	None
CSC185	Software Testing and Quality Assurance	3	3	0	3	CSC181	None
CSC188	Software Project Management	3	3	0	3	CSC181	None