BACHELOR OF SCIENCE IN COMPUTER SCIENCE (BSCS)

LIST OF COURSES BY SEMESTER
BOR Resolution No.___, Series of 2017

First Year, First Semester

Course No.	Course Title	Units	Lec	Lab	Total	Prerequisite(s)
CCC100	Fundamentals of Computing	3	2	3	5	None
CCC101	Computer Programming 1	3	2	3	5	None
MAT051	Calculus 1	5	5	0	5	None
GEC105	Readings in Philippine History	3	3	0	3	None
GEC120	Wika at Kultura sa Mapayapang Lipunan	3	3	0	3	None
PED001	Wellness and Exercise Science	2	2	0	2	None
NST001	National Service Training Program 1	(3)	3	0	3	None
	Total	**19(22)**	**20**	**6**	**26**	

First Year, Second Semester

Course No.	Course Title	Units	Lec	Lab	Total	Prerequisite(s)
CCC102	Computer Programming 2	3	2	3	5	None
MAT061	Calculus 2	5	5	0	5	CPE101
MAT101	Logic and Set Theory	3	3	0	3	CPE100
GEC103	The Contemporary World	3	3	0	3	None
GEC130	Ekokritisismo at Pagpapahalaga sa Kalikasan	3	3	0	3	CPE101 & CPE102
PED002	Martial Arts / Dance Improvisation	2	2	0	2	None
NST002	National Service Training Program 2	(3)	3	0	3	NST001
	Total	**19(22)**	**21**	**3**	**24**	

Second Year, First Semester

Course No.	Course Title	Units	Hrs/Wk			Prerequisite(s)
			Lec	Lab	Total	
CCC121	Data Structures and Algorithms	3	2	3	5	CSC102
STT100	Descriptive and Inferential Statistics	4	4	0	4	None
CSC130	Discrete Structures	3	3	0	3	MAT101
CSC142	Automata, Computability, and Complexity	3	3	0	3	MAT101
GEC106	Art Appreciation	3	3	0	3	None
GEC110	History of Filipino Muslims and the Indigenous People of MINSUPALA	3	3	0	3	None
PED003	Philippine Games and Recreational Leadership	2	2	0	2	None
	Total	**21**	**20**	**3**	**23**	

Second Year, Second Semester

Course No.	Course Title	Units	Hrs/Wk			Prerequisite(s)
			Lec	Lab	Total	
CSC151	Information Management	3	2	3	5	CCC121
CSC112	Computer Organization and Architecture	4	3	3	6	CCC102
CSC124	Design and Analysis of Algorithms	3	2	3	5	CCC121
CSC186	Human – Computer Interaction	3	3	0	3	CCC102
GEC102	Purposive Communication	3	3	0	3	None
GEC109	Life and Works of Rizal	3	3	0	3	None
PED004	Sports and Dance Competition	2	2	0	2	None
	Total	**21**	**18**	**9**	**27**	

Third Year, First Semester

Course No.	Course Title	Units	Hrs/Wk			Prerequisite(s)
			Lec	Lab	Total	
CSC181	Applications Development and Emerging Technologies	3	2	3	5	CCC151
CSC145	Programming Languages	3	3	0	3	CSC142
CSC155	Introduction to Operating Systems	3	3	0	3	CSC112
CSC171	Introduction to Artificial Intelligence	3	3	0	3	CCC121
CSC181	Software Engineering	4	3	3	6	CCC151
GED113	Ethics	3	3	0	3	None
	Total	**19**	**17**	**6**	**23**	

Third Year, Second Semester

Course No.	Course Title	Units	Lec	Lab	Total	Prerequisite(s)
			Lec	Lab	Total	
CSC113	Computer Networks and Data Communications	3	3	0	3	CSC112
CSC133	Modelling and Simulation	3	3	0	3	MAT061
CSC161	Computer Systems Security	3	3	0	3	STT100
CSC175	Parallel and Distributed Computing	3	3	0	3	CSC155
CSC194	Computer Science Seminar	1	1	0	1	Junior Level
GEC101	Understanding the Self	3	3	0	3	None
	Total	**19**	**19**	**0**	**19**	

Third Year, Summer

Course No.	Course Title	Units	Lec	Lab	Total	Prerequisite(s)
			Lec	Lab	Total	
CSC197	Internship	0	0	200	200	Junior Level
	Total	**0**	**0**	**200**	**200**	

Fourth Year, First Semester

Course No.	Course Title	Units	Lec	Lab	Total	Prerequisite(s)
			Lec	Lab	Total	
CSC193	Special Topics in Computer Science	3	3	0	3	Senior Level
CSC198	Thesis 1	3	3	0	3	CSC194
Elective 1	Free CS Elective	3	3	0	3	Senior Level
Elective 2	Free Technical Elective	3	3	0	3	Senior Level
GEC104	Math in the Modern World	3	3	0	3	None
	Total	**15**	**15**	**0**	**15**	

Fourth Year, Second Semester

Course No.	Course Title	Units	Lec	Lab	Total	Prerequisite(s)
			Lec	Lab	Total	
CSC109	Social, Ethical, and Professional Issues	3	3	0	3	Senior Level
CSC199	Thesis 2	3	3	0	3	CSC198
Elective 3	Free Technical Elective	3	3	0	3	Senior Level
GEC108	Science, Technology, and Society	3	3	0	3	None
	Total	**12**	**12**	**0**	**12**	

Grand Total 145(151) Units