



BACHELOR OF SCIENCE IN COMPUTER SCIENCE
Effective S.Y. 2013-2014

FIRST YEAR	FIRST SEMESTER	Lec Units	Lab Units	Units	Prerequisites
1ENG1	Study and Thinking Skills in English	3	0	3	NONE
3MATH1	College Algebra	3	0	3	NONE
6CSFUNL1	CS Fundamentals	2	1	3	NONE
4SOCSCI1	Philippine History and Culture	3	0	3	NONE
6PROGFUNL2	Programming Fundamentals	2	1	3	NONE
2FIL1	Komunikasyon sa Akademikong Filipino	3	0	3	NONE
5PE1	Physical Fitness & Related Activities	2	0	2	NONE
NSTP1	CWTS1 (Environmental Education & Awareness Program)	(3)	0	(3)	NONE
	Total	18	2	20	

FIRST YEAR	SECOND SEMESTER	Lec Units	Lab Units	Units	Prerequisites
1ENG2	Speech and Oral Communication	3	0	3	1ENG1
3MATH2	Plane Trigonometry	3	0	3	3MATH1
2FIL2	Pagbasa at Pagsulat Tungo sa Pananaliksik	3	0	3	2FIL1
4SOCSCI2	General Psychology including SARS, HIV, STD, Drug Prevention, Aids, Population Education	3	0	3	NONE
7ADROL1	Advance Programming	2	1	3	6PROGFUNL2
6PTOOLS/L10	Productivity Tools	2	1	3	6CSFUNL1
7MMS1/L2	Multimedia Systems 1	2	1	3	6PROGFUNL2
5PE2	Rhythmic & Dance	2	0	2	5PE1
NSTP2	CWTS2 (Environmental Education & Awareness Program)	(3)	0	(3)	NSTP1
	Total	20	3	23	

SECOND YEAR	FIRST SEMESTER	Lec Units	Lab Units	Units	Prerequisites
9HUM1	Philippine Literature (with Emphasis on Pampango Language)	3	0	3	NONE
4SOCSCI3	General Sociology with Peace Education & Gender Development	3	0	3	NONE
3MATH3	Calculus	3	0	3	3MATH2
6PETHICS5	Professional Ethics	3	0	3	NONE
6DBASE/L7	Database System	2	1	3	6PROGFUNL2

7DSL3	Data Structures	2	1	3	7ADROL1
1ENG3	Technical Writing	3	0	3	1ENG1
5PE3	Recreational & Outdoor Games	2	0	2	5PE2
	Total	21	2	23	

SECOND YEAR	SECOND SEMESTER	Lec Units	Lab Units	Units	Prerequisites
3MATH4	Probability and Statistics	3	0	3	3MATH1
9HUM2	Logic with Critical Thinking	3	0	3	NONE
7OOP4	Object Oriented Programming	2	1	3	6DBASE/L7
7MMS2/L5	Multimedia Systems 2	2	1	3	7MMS1/L2
7OSYS6	Principles of Operating System	3	0	3	6CSFUN/L1
6DISTRU6	Discrete Structures	3	0	3	3MATH2
10NATSCI1	Physics1	3	0	3	NONE
10NATSCI1L	Physics1 Lab	0	1	1	NONE
5PE4	Team Sports	2	0	2	5PE3
	Total	21	3	24	

THIRD YEAR	FIRST SEMESTER	Lec Units	Lab Units	Units	Prerequisites
7PROGLANG7	Programming Languages	3	0	3	7OOP4
7DEALGO8	Design and Analysis of Algorithms	3	0	3	7DSL3
7NET1	Network Fundamentals	0	4	4	6CSFUN/L1
7SOFTENG9	Software Engineering	3	0	3	6DBASE/L7
7MODSIM10	Modeling and Simulations	3	0	3	NONE
7WEB1/L11	Web Application and Development	2	1	3	6PROGFUN/L2
FREE ELEC1	Free Elective 1	3	0	3	
CS ELEC	CS Elective 1	3	0	3	
	Total	20	5	25	
THIRD YEAR	SECOND SEMESTER	Lec Units	Lab Units	Units	Prerequisites
7AUTOMATA12	Automata Language Theory	3	0	3	7PROGLANG7
7THESIS1	Independent Study 1 (Thesis 1)	3	0	3	7SOFTENG9
7LOGDCC13	Digital Design	3	0	3	6DISTRU6
6SAD11	Systems Analysis and Design	3	0	3	6DBASE/L7
7NET2	Basic Router Configuration Administration	0	4	4	7NET1
FREE ELECT 2	Free Elective 2	3	0	3	
CS ELEC 2	CS Elective 2	2	1	3	
	Total	17	5	22	

THIRD YEAR	SUMMER	Lec Units	Lab Units	Units	Prerequisites
7COMPARC\L14	Computer Organization and Assembly Language	2	1	3	7LOGDCC13
FREE ELECT 3	Free Elective 3	3	0	3	
CS ELEC 3	CS Elective 3	3	0	3	
	Total	8	1	9	

FOURTH YEAR	FIRST SEMESTER	Lec Units	Lab Units	Units	Prerequisites
4SOCSCI4	Principles of Economics (With Taxation and Agrarian Reform)	3	0	3	NONE
4SOCSCI5	Life and Works of Rizal	3	0	3	NONE
9HUM3	Art Appreciation	3	0	3	NONE
7THESIS2	Independent Study 2 (Thesis 2)	3	0	3	7THESIS1
10NATSCI2	Environmental Science	3	0	3	NONE
CS ELEC 4	CS Elective 4	2	1	3	
	Total	17	1	18	

FOURTH YEAR	SECOND SEMESTER	Lec Units	Lab Units	Units	Prerequisites
6OJT	On-The-Job Training (500 Hours)	3	0	3	GRADUATING
	Total		0	3	

CS ELECTIVES		Lec Units	Lab Units	Units	Prerequisites
7AIL15	Artificial Intelligence	2	1	3	6DISTRU6
7WEB2\L16	Web Programming 2	2	1	3	7WEB1/L11
7COMTHEO17	Compiler Theory	3	0	3	7DEALGO8
7CSTRENDS18	Current and Emerging Trends in Computer Science	3	0	3	NONE
7MIS19	Management Information System	3	0	3	6DBASE/L7
7MOBCOML20	Mobile Computing	2	1	3	7WEB1/L11
7EMSYSL21	Embedded Systems	2	1	3	7COMPARC\L14
7GRAPHL22	Graphics and Visualization	2	1	3	NONE
7NUMET23	Numerical Methods	3	0	3	6DISTRU6
7NET3	LAN Switching and Wireless	0	4	4	7NET2
7NET4	Accessing the WAN	0	4	4	7NET3
6PROJMAN17	IT Project Management and Quality Assessment	3	0	3	6PETHICS5
8PERDEV27	Personality Development and Public Relations	3	0	3	NONE
FREE ELECTIVES		Lec Units	Lab Units	Units	Prerequisites

1HUMCOM36	Human Communications	3	0	3	1ENG1
9PANGAN37	Kapampangan Culture	3	0	3	9HUM1
9PHILOMAN38	Philosophy of Man	3	0	3	NONE
XACNONACC	Accounting for Non Accountants	3	0	3	NONE

* 1 Unit lab=3 Hours