



2018 CURRICULUM FOR BACHELOR OF SCIENCE IN COMPUTER SCIENCE (BSCS)

IMPORTANT : REGISTRATION IN ANY COURSE WITHOUT ALL THE PREREQUISITES, CORRECT SEQUENCE AND AUTHORIZED LOAD SHALL NOT BE GIVEN ANY CREDIT REGARDLESS OF THE GRADE OBTAINED. EVALUATION IS TENTATIVE AND MAY BE REVISED FOR SOME VALID CAUSES OR REASONS OR IF OMISSIONS AND/OR LACK OF UNITS CREDITED BE DISCOVERED LATER.

Student's Name and Signature _____

COURSE CODE	DESCRIPTIVE TITLE	Lecture Hours Laboratory Hours Credit Units			PREREQUISITE(S)
		Lecture Hours	Laboratory Hours	Credit Units	
FIRST YEAR, FIRST SEMESTER (20 UNITS)					
GEC 004	Mathematics in the Modern World	3	0	3	
GEC 001	Understanding the Self	3	0	3	
MATH 022A	Linear Algebra with MATLAB	2	3	3	
MATH 027A	Number Theory	3	0	3	
CITE 001	Introduction to Computing	2	3	3	
CITE 002	Computer Programming 1	2	3	3	
PE 001	Physical Activities Toward Health and Fitness 1 (PATHFit 1)	2	0	2	
NSTP 001	National Service Training Program 1	(3)	0	(3)	
FIRST YEAR, SECOND SEMESTER (21 UNITS)					
GEC 005	Purposive Communication	3	0	3	
GEC 003	The Contemporary World	3	0	3	
GEC 006	Art Appreciation	3	0	3	
MATH 031	Symbolic Logic	3	0	3	MATH 027A
MATH 018A	Calculus 1	4	0	4	MATH 022A
CITE 003	Computer Programming 2	2	3	3	CITE 002
PE 002	Physical Activities Toward Health and Fitness 2 (PATHFit 2)	2	0	2	PE 001
NSTP 002	National Service Training Program 2	(3)	0	(3)	NSTP 001
SECOND YEAR, FIRST SEMESTER (24 UNITS)					
GEC 008	Ethics	3	0	3	
GEC 002	Readings in Philippine History	3	0	3	
MATH 019A	Calculus 2	4	0	4	MATH 018A
CCS 201	Object-Oriented Programming	2	3	3	CITE 003
CIT 306	Mobile Computing	2	3	3	CITE 003
CCS 202	Principles of Programming Languages	3	0	3	CITE 001, CITE 002
CCS 203	Computer Architecture and Organization	2	3	3	CITE 001
PE 003	Physical Activities Toward Health and Fitness 3 (PATHFit 3)	2	0	2	PE 002
SECOND YEAR, SECOND SEMESTER (24 UNITS)					
GEC 007	Science, Technology and Society	3	0	3	
MATH 029	Introduction to Numerical Analysis	3	0	3	MATH 018A
PHYS 001C	Calculus-Based Physics 1	3	3	4	MATH 019A
MATH 025B	Discrete Mathematics	3	0	3	MATH 031
CCS 204	Operating Systems	3	0	3	CCS 203
CITE 004	Data Structures and Algorithm	2	3	3	CITE 003
CITE 005A	Information Management	2	3	3	CITE 003
PE 004	Physical Activities Toward Health and Fitness 4 (PATHFit 4)	2	0	2	PE 003
THIRD YEAR, FIRST SEMESTER (24 UNITS)					
GEE 001B	GE Elective 1 - Gender and Society	3	0	3	
GEM 001	Life and Works of Rizal	3	0	3	
MATH 032	Probability and Statistics	2	3	3	MATH 027A
CCS 301	Networks and Communications	2	3	3	CCS 204
CITE 006	Application Development and Emerging Technologies	2	3	3	CITE 005A
CCS 303	Intelligent Agents	2	3	3	MATH 029
CCS 304	Automata Theory and Formal Languages	3	0	3	MATH 025B, CITE 004
CCS 305	Software Engineering 1	2	3	3	CITE 005A

COURSE CODE	DESCRIPTIVE TITLE	Lecture Hours			Laboratory Hours			CREDIT UNITS	PREREQUISITE(S)
THIRD YEAR, SECOND SEMESTER (25 UNITS)									
GEE	002B	GE Elective 2 - Living in the IT Era	3	0	3			GEE 001B	
CHM	001	Chemistry for Engineers	3	3	4				
CITE	008	Social Issues and Professional Practice	3	0	3			3rd year standing	
CITE	007	Information Assurance and Security	3	0	3			CITE 005A	
CCS	306	Modeling and Simulation	2	3	3			MATH 032, MATH 029	
CCS	307	Algorithm and Complexity	3	0	3			MATH 029, CCS 304	
CITE	012A	Human Computer Interaction	2	3	3			3rd year standing	
CSELEC	001	CCS Elective 1	2	3	3				
NO STUDENT SHALL BE ALLOWED TO TAKE FOURTH YEAR PROFESSIONAL COURSES UNLESS HE HAS COMPLETED THE BASIC AND THE THIRD YEAR COURSES INCLUDING PE AND NSTP.									
THIRD YEAR, SUMMER (9 UNITS)									
CCS	308	Software Engineering 2	2	3	3			CCS 305, CCS 306	
CCS	309	Parallel and Distributed Computing	2	3	3			CCS 301	
CSELEC	002	CCS Elective 2	2	3	3			CSELEC 001	
FOURTH YEAR, FIRST SEMESTER (15 UNITS)									
GEE	004	GE Elective 3 - Great Books	3	0	3			GEE 002B	
CITE	009	Technopreneurship	3	0	3			3rd year standing	
CCS	401	Thesis 1	2	3	3			CCS 308, CITE 009(C)	
CSELEC	001	Free Elective	3	0	3				
CSELEC	003	CCS Elective 3	2	3	3			CSELEC 002	
FOURTH YEAR, SECOND SEMESTER (6 UNITS)									
CCS	402	Internship in Computing	0	9	3			CCS 308	
CCS	403	Thesis 2	0	9	3			CCS 401	
CS ELECTIVE COURSES: (9 UNITS)									
NOTE: A study may choose any of the track electives below and once a track elective is chosen, all courses in the track must be taken.									
TRACK ELECTIVE 1: Intelligent Systems									
CCS	310	Expert Systems	2	3	3			CCS 303	
CCS	312	Machine Learning	2	3	3			CCS 310	
CCS	311	Natural Language Processing	2	3	3			CCS 312	
TRACK ELECTIVE 2: Game Development									
CCS	313	Multimedia Technology	2	3	3			CIT 306	
CCS	314	Level Design and Scripting	2	3	3			CCS 313	
CCS	315	Multiplayer and Online Programming	2	3	3			CCS 314	
FREE ELECTIVES: (3 UNITS)									
CIT	503	Current trends and Issues in Computing	3	0	3			CIT 306	
SAP	501	Business Analytic using SAP BW	2	3	3				
CISELEC	113	Deployment, Maintenance and Services	3	0	3			CCS 301	
CISELEC	501A	Big Data Analytics	2	3	3			CITE 005A	
CISELEC	201	Introduction to Project Management	3	0	3			CCS 308	
FLE	313	Mandarin	2	3	3				
FLE	213	Spanish	2	3	3				
TOTAL NO. OF UNITS						168			

CREDENTIALS SUBMITTED:

- () F138 () PSA Birth Certificate
- () GMC () Transfer Credential
- () F137A () TOR

DEFICIENCY/IES

Evaluated by: _____

Date: _____

Received by: _____

Date: _____