

BACHELOR OF SCIENCE IN COMPUTER SCIENCE
(Curriculum based on CMO No. 25 s.2015, applicable to freshmen beginning school year 2020-2021)

FIRST YEAR											
1st Semester					2nd Semester						
Code	Title	CREDIT UNITS			Pre/Co-requisite	Code	Title	CREDIT UNITS			Pre/Co-requisite
		Lec	Lab	Total				Lec	Lab	Total	
CS100P	INTRODUCTION TO COMPUTER SYSTEMS (PAIRED)	2	1	3	-	CS110-1	DISCRETE STRUCTURES 1	3	0	3	-
IT101-1P	COMPUTER PROGRAMMING CONCEPTS 1 (PAIRED)	2	1	3	-	IT101-2P	COMPUTER PROGRAMMING CONCEPTS 2 (PAIRED)	2	1	3	IT101-1P
MATH021	COLLEGE MATHEMATICS	3	0	3	-	CS152	HUMAN COMPUTER INTERACTION	3	0	3	-
ENG023	RECEPTIVE COMMUNICATION SKILLS	3	0	3	-	MATH022	LINEAR ALGEBRA	3	0	3	MATH021
HUM034	ART APPRECIATION	3	0	3	-	ENG024	WRITING FOR ACADEMIC STUDIES	3	0	3	-
SS021	UNDERSTANDING THE SELF	3	0	3	-	HUM021	LOGIC AND CRITICAL THINKING	3	0	3	-
SS022	READINGS IN PHILIPPINE HISTORY	3	0	3	-	SS023	THE CONTEMPORARY WORLD	3	0	3	-
VE021	LIFE COACHING SERIES 1	(1)	0	(1)	-	PE021	MOVEMENT ENHANCEMENT	(2)	0	(2)	-
	Total			21		VE022	LIFE COACHING SERIES 2	(1)	0	(1)	VE021
						Total			21		

SECOND YEAR											
1st Term					2nd Term						
Code	Title	CREDIT UNITS			Pre/Co-requisite	Code	Title	CREDIT UNITS			Pre/Co-requisite
		Lec	Lab	Total				Lec	Lab	Total	
CS110-2	DISCRETE STRUCTURES 2	3	0	3	CS110-1	CS107P	INFORMATION MANAGEMENT (PAIRED)	2	1	3	CS106P
CS106P	DATA STRUCTURES AND ALGORITHMS (PAIRED)	2	1	3	IT101-2P	CS121	PROGRAMMING LANGUAGES	3	0	3	CS106P
CS122	AUTOMATA AND LANGUAGE THEORY	3	0	3	IT101-2P	CS124	ALGORITHMS AND COMPLEXITY	3	0	3	CS110-2, CS106P
IT102P	OBJECT ORIENTED PROGRAMMING (PAIRED)	2	1	3	IT101-2P	IT103P	WEB PROGRAMMING (PAIRED)	3	0	3	IT102P
MATH027	DIFFERENTIAL AND INTEGRAL CALCULUS	3	0	3	MATH022	MATH035	MATHEMATICS IN THE MODERN WORLD	3	0	3	-
ENG041	PURPOSIVE COMMUNICATION	3	0	3	-	HUM039	ETHICS	3	0	3	-
GEELEC01	GE ELECTIVE 1	3	0	3	-	GEELEC02	GE ELECTIVE 2	3	0	3	-
PE022	FITNESS EXERCISE	(2)	0	(2)	PE021	PE023	PHYSICAL ACTIVITY TOWARDS HEALTH AND FITNESS 1	(2)	0	(2)	PE022
VE023	LIFE COACHING SERIES 3	(1)	0	(1)	VE022	NSTP011P	NATIONAL SERVICE TRAINING PROGRAM 2 (PAIRED)	(3)	0	(3)	NSTP010
NSTP010	NATIONAL SERVICE TRAINING PROGRAM 1	(3)	0	(3)	-	Total			21		
	Total			21							

THIRD YEAR											
1st Term					2nd Term						
Code	Title	CREDIT UNITS			Pre/Co-requisite	Code	Title	CREDIT UNITS			Pre/Co-requisite
		Lec	Lab	Total				Lec	Lab	Total	
CS125P	ARCHITECTURE AND ORGANIZATION (PAIRED)	2	1	3	CS110-2, CS106P	CS151	OPERATING SYSTEMS	3	0	3	CS106P
CS140-1P	SOFTWARE ENGINEERING 1 (PAIRED)	2	1	3	IT102P, CS107P	IS130P	DATA MINING (PAIRED)	2	1	3	-
CS158P	INTRODUCTION TO DATA SCIENCE (PAIRED)	2	1	3	-	IT129	INFORMATION ASSURANCE AND SECURITY	3	0	3	CS100P
IT104P	APPLICATION DEVELOPMENT AND EMERGING TECHNOLOGIES (PAIRED)	2	1	3	IT102P	CS140-2P	SOFTWARE ENGINEERING 2 (PAIRED)	2	1	3	CS140-1P
IT128P	IT INFRASTRUCTURE AND NETWORK TECHNOLOGIES (PAIRED)	2	1	3	CS100P	CSELEC01	PROFESSIONAL ELECTIVE 1	3	0	3	-
MATH120	QUANTITATIVE METHODS	3	0	3	MATH021	SS036	SCIENCE, TECHNOLOGY, AND SOCIETY	3	0	3	-
SS085	PHILIPPINE INDIGENOUS COMMUNITIES	3	0	3	-	RES200	METHODS OF RESEARCH	3	0	3	MATH120, ENG024
PE024	PHYSICAL ACTIVITY TOWARDS HEALTH AND FITNESS 2	(2)	0	(2)	PE023	Total			21		
	Total			21							

FOURTH YEAR											
1st Term					2nd Term						
Code	Title	CREDIT UNITS			Pre/Co-requisite	Code	Title	CREDIT UNITS			Pre/Co-requisite
		Lec	Lab	Total				Lec	Lab	Total	
CS200D-1	THESIS 1	3	0	3	RES200	CS200D-2	THESIS 2	3	0	3	CS200D-1
CS134P	MACHINE LEARNING (PAIRED)	2	1	3	-	CSELEC03	PROFESSIONAL ELECTIVE 3	3	0	3	-
CS173P	INTELLIGENT SYSTEMS (PAIRED)	2	1	3	-	CS199R	PRACTICUM	3	0	3	-
CSELEC02	PROFESSIONAL ELECTIVE 2	3	0	3	-	Total			9		
IS181	SOCIAL ISSUES AND PROFESSIONAL PRACTICES	3	0	3	-						
SS038	THE LIFE AND WORKS OF JOSE RIZAL	3	0	3	-						
	Total			18							

Note: Elective courses offering per term will depend on the availability of instructor and compliance of prerequisite courses for specific elective course.

Code	ELECTIVE TITLES (9 units)	Lec	Lab
CS126P	Game Design and Development (Paired)	2	1
CS170	Parallel and Distributed Computing	2	1
CS171P	Graphics and Visual Computing (Paired)	2	1
CS172	System Fundamentals	3	0
*	Knowledge Management	3	0
*	Theories of Computing	3	0
*	CCNA Routing and Switching 1(Paired)	2	1
*	CCNA Routing and Switching 2(Paired)	2	1
*	CCNA Routing and Switching 3(Paired)	2	1
*	HCIA Storage	2	1

Code	GE ELECTIVE TITLES (6 units)	Lec	Lab
ENV075	Environmental Science	3	0
ENV076	People and the Earth's Ecosystem	3	0
ENT078	The Entrepreneurial Mind	3	0
HUM080	Philippine Popular Culture	3	0
HUM081	Indigenous Creative Crafts	3	0
HUM082	Reading Visual Art	3	0
HUM083	Great Books	3	0
SS084	Religions, Religious Experiences and Spiri	3	0
SS086	Gender and Society	3	0