

Cebu Institute of Technology - University					
BACHELOR OF SCIENCE IN COMPUTER SCIENCE					
EFFECTIVE ACADEMIC YEAR 2018-2019					
COURSE CODE	COURSE TITLE	Hours		UNITS	PRE-REQUISITE
		LEC	LAB		
FIRST YEAR					
FIRST SEMESTER					
CSIT101	Modern Tools	0	3	1	
CSIT111	Introduction to Computing	3	0	3	
CSIT121	Fundamentals of Programming	2	3	3	
MATH031	Mathematics in the Modern World	3	0	3	
ENGL031	Purposive Communication	3	0	3	
PHILO031	Ethics	3	0	3	
PSYCH031	Understanding the Self	3	0	3	
NSTP111	National Service Training Program 1	3	0	3	
PE103	Movement Enhancement	2	0	2	
		22	6	24	
SECOND SEMESTER					
CS132	Introduction to Computer Systems	3	0	3	CSIT101
CSIT104	Platform-based Development 1 (Multimedia)	0	3	1	CSIT101
CSIT112	Discrete Structures 1	3	0	3	
CSIT122	Intermediate Programming	2	3	3	CSIT121
MATH136	Differential and Integral Calculus	3	0	3	Pre-calculus
SOCSCI031	Readings in Philippine History	3	0	3	
HUM031	Art Appreciation	3	0	3	
NSTP112	National Service Training Program 2	3	0	3	NSTP111
PE104	Fitness Exercises	2	0	2	PE103
		22	6	24	
SECOND YEAR					
FIRST SEMESTER					
CS231	Discrete Structures 2	3	0	3	CSIT112
CS243	Computer Organization and Architecture	2	3	3	CS132, CSIT122
CSIT201	Platform-based Development 2 (Web)	0	3	1	CSIT121
CSIT213	Professional Ethics and Values Education	3	0	3	CSIT111
CSIT221	Data Structures and Algorithms	2	3	3	CSIT122, CSIT112
CSIT227	Object-oriented Programming 1	2	3	3	CSIT122
FIL031	Kontekstwalisadong Komunikasyong Filipino (KOMFIL)	3	0	3	
PE205	Physical Activities Towards Health and Fitness I	2	0	2	PE103
		17	12	21	
SECOND SEMESTER					
CS234	Special Topics in Mathematics	3	0	3	CS231, MATH136
CS244	Design and Analysis of Algorithms	2	3	3	CSIT221, CS231
CSIT226	Information Management 1	2	3	3	CSIT221
CSIT228	Object-oriented Programming 2	2	3	3	CSIT227
CSIT238	Human Computer Interaction	3	0	3	CSIT104
CSIT284	Platform-based Development 3 (Mobile)	0	3	1	CSIT227
FIL032	Filipino sa Iba't Ibang Disiplina (FILDIS)	3	0	3	FIL031
PE206	Physical Activities Towards Health and Fitness II	2	0	2	PE205
		17	12	21	

THIRD YEAR					
FIRST SEMESTER					
CS313	Automata Theory and Formal Languages	3	0	3	CSIT221, CS231
CS323	Data Communication and Networking	2	3	3	CS243
CS345	Intelligent Systems 1	2	3	3	CSIT221, CS234
CSIT321	Applications Development and Emerging Technologies	2	3	3	CSIT228, CSIT226, CSIT238, 3rd year standing
CSIT327	Information Management 2	2	3	3	CSIT226
ES038	Technopreneurship	3	0	3	3rd year standing
RIZAL031	The Life and Works of Rizal	3	0	3	
		17	12	21	
SECOND SEMESTER					
CS322	Programming Languages	2	3	3	CSIT221 & CS313
CS342	Software Engineering 1	2	3	3	CSIT321
CS346	Intelligent Systems 2	2	3	3	CS345
CS348	Operating Systems	2	3	3	CS323
CS392	Research Methods	3	0	3	3rd year standing
CSIT212	Quantitative Methods	3	0	3	CSIT112
FREE-EL1	Free Elective 1	3	0	3	3rd year standing
		17	12	21	
SUMMER TERM					
CSIT310	OJT/Practicum 1			6	3rd year standing
FOURTH YEAR					
FIRST SEMESTER					
CS441	Software Engineering 2	2	3	3	CS342
CS497	Special Problem 1	3	0	3	4th year standing
CSIT-ELEC1	CSIT Elective 1	2	3	3	3rd year standing
CSIT-ELEC2	CSIT Elective 2	2	3	3	3rd year standing
SOCSCI032	The Contemporary World	3	0	3	
LIT031	Sosyedad at Literatura/Panitikang Panlipunan (SOSLIT)	3	0	3	
		15	9	18	
SECOND SEMESTER					
CS446	Computer Security	2	3	3	CS348
CS498	Special Problem 2	6	0	6	CS497
CSIT-ELEC3	CSIT Elective 3	2	3	3	consent of adviser
FREE-EL2	Free Elective 2	3	0	3	3rd year standing
STS031	Science, Technology and Society	3	0	3	
		16	6	18	
CSIT ELECTIVES					
CS366	Modeling and Simulation	2	3	3	CSIT221
CS368	Robotics for CS	2	3	3	CS345
IT365	Data Analytics 1	2	3	3	CSIT212
IT465	Data Analytics 2	2	3	3	IT365
CSIT440	Industry Trends	2	3	3	4th year standing
** BSIT major courses					
FREE ELECTIVES					
CSIT333	Special Topics in CS/IT	3	0	3	3rd year standing
CSIT331	Correlation Course	3	0	3	3rd year standing
CSIT332	Technical Communication for CS/IT	3	0	3	3rd year standing
CSIT335	Testing and Quality Assurance	3	0	3	3rd year standing

IT319	Project Management for IT	3	0	3	3rd year standing
IT318	Management Information System	3	0	3	3rd year standing
** Foreign language courses					
** lecture courses from other Colleges					