

CENTRO ESCOLAR UNIVERSITY

Manila * Makati * Malolos

School of Science and Technology

FOUR-YEAR PROGRAM LEADING TO THE DEGREE

BACHELOR OF SCIENCE IN INFORMATION TECHNOLOGY

Effective School Year 2020-2021

FIRST YEAR

First Semester

Class Code	Descriptive Title	Units				No. of Hours				Pre-requisite
		Lec	Lab	Int	Total	Lec	Lab	Int	Total	
PCCO101	Introduction to Computing	2	1	0	3	2	3	0	5	NONE
PCCO102	Algorithm and Logic Formulation	2	1	0	3	2	3	0	5	NONE
PCCO103	Fundamentals of Programming	2	1	0	3	2	3	0	5	NONE
COMA11	Mathematics in the Modern World	3	0	0	3	3	0	0	3	NONE
COPY11	Understanding the Self	3	0	0	3	3	0	0	3	NONE
COPE21	PATH-FIT 1: Movement Competency Training	2	0	0	2	2	0	0	2	NONE
COSH11	Empowering the Self	2	0	0	2	2	0	0	2	NONE
COSH21	Religion: History and Texts	3	0	0	3	3	0	0	3	NONE
	TOTAL	19	3	0	22	19	9	0	28	

Second Semester

Class Code	Descriptive Title	Units				No. of Hours				Pre-requisite
		Lec	Lab	Int	Total	Lec	Lab	Int	Total	
PCCO104	Intermediate Programming	2	1	0	3	2	3	0	5	PCCO103
PCMA106	Discrete Mathematics	3	0	0	3	3	0	0	3	NONE
PRIN149	Human Computer Interaction	2	1	0	3	2	3	0	5	PCCO101
COLA11	Purposive Communication	3	0	0	3	3	0	0	3	NONE
COLA31	Foreign Language 1	3	0	0	3	3	0	0	3	NONE
COLA51	Expository Writing for Global Communication	3	0	0	3	3	0	0	3	NONE
COSH31	Art Appreciation	3	0	0	3	3	0	0	3	NONE
COSH41	Readings in Philippine History	3	0	0	3	3	0	0	3	NONE
COPE22	PATH-FIT 2: Swimming/Recreation	2	0	0	2	2	0	0	2	NONE
	TOTAL	24	2	0	26	24	6	0	30	

SECOND YEAR

First Semester

Class Code	Descriptive Title	Units				No. of Hours				Pre-requisite
		Lec	Lab	Int	Total	Lec	Lab	Int	Total	
PCCO105	Data Structure and Algorithm	2	1	0	3	2	3	0	5	PCCO104
PCCO106	Information Management	2	1	0	3	2	3	0	5	NONE
PCCO108	Fundamentals of Database System	2	1	0	3	2	3	0	5	NONE
PCCO110	Object Oriented Programming	2	1	0	3	2	3	0	5	PCCO104
COLA32	Foreign Language 2	3	0	0	3	3	0	0	3	COLA31
CONS21	Science, Technology, and Society	3	0	0	3	3	0	0	3	NONE
COSH43	The Life and Works of Rizal	3	0	0	3	3	0	0	3	NONE
COPE23	PATH-FIT 3: Dance/Individual-Dual Sports	2	0	0	2	2	0	0	2	NONE
CONP11	NSTP 1	3	0	0	3	3	0	0	3	NONE
	TOTAL	22	4	0	26	22	12	0	34	

Second Semester

Class Code	Descriptive Title	Units				No. of Hours				Pre-requisite
		Lec	Lab	Int	Total	Lec	Lab	Int	Total	
PCCO109	Advanced Database Systems	2	1	0	3	2	3	0	5	PCCO108
PRCO131	Robotics	2	1	0	3	2	3	0	5	NONE
PRIN143	Systems Integration and Architecture 1	2	1	0	3	2	3	0	5	PCCO104
PRIN152	Quantitative Methods (incl. Modelling and Simulation)	3	0	0	3	3	0	0	3	PCMA106
COMA51	Understanding the Data Around Us	3	0	0	3	3	0	0	3	NONE
COSH32	Ethics	3	0	0	3	3	0	0	3	NONE
COSH42	The Contemporary World	3	0	0	3	3	0	0	3	NONE
COPE24	PATH-FIT 4: Team Sports/Games	2	0	0	2	2	0	0	2	NONE
CONP12	NSTP 2	3	0	0	3	3	0	0	3	CONP11
	TOTAL	23	3	0	26	23	9	0	32	

THIRD YEAR

First Semester

Class Code	Descriptive Title	Units				No. of Hours				Pre-requisite
		Lec	Lab	Int	Total	Lec	Lab	Int	Total	
	I.T. Elective 1	2	1	0	3	2	3	0	5	PRIN143
PRCO121	Networking 1	2	1	0	3	2	3	0	5	PCCO101
PRIN132	Animation	2	1	0	3	2	3	0	5	NONE
PRIN141	Integrative Programming and Technologies 1	2	1	0	3	2	3	0	5	PCCO102
PRIN171	Information Assurance and Security 1	2	1	0	3	2	3	0	5	PRIN143
PRIN173	Project Management	2	1	0	3	2	3	0	5	PCCO109
COEF21	Environmental Stewardship	3	0	0	3	3	0	0	3	NONE
	TOTAL	15	6	0	21	15	18	0	33	

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Second Semester

Class Code	Descriptive Title	Units				No. of Hours				Pre-requisite
		Lec	Lab	Int	Total	Lec	Lab	Int	Total	
	I.T. Elective 2	2	1	0	3	2	3	0	5	
PCCO107	Application Development and Emerging Technologies	2	1	0	3	2	3	0	5	PCCO104
PRCO122	Networking 2	2	1	0	3	2	3	0	5	PRCO121
PRCO163	Social Issues and Professional Practice	3	0	0	3	3	0	0	3	PRIN141
PRIN172	Information Assurance and Security 2	2	1	0	3	2	3	0	5	PRIN 171
PRIN191	Undergraduate Research 1	3	0	0	3	3	0	0	3	PRIN173
COSH22	Man, Church and Society	3	0	0	3	3	0	0	3	NONE
	TOTAL	17	4	0	21	17	12	0	29	

FOURTH YEAR

First Semester

Class Code	Descriptive Title	Units				No. of Hours				Pre-requisite
		Lec	Lab	Int	Total	Lec	Lab	Int	Total	
	I.T. Elective 3	2	1	0	3	2	3	0	5	
PRCO123	Networking 3	2	1	0	3	2	3	0	5	PRCO122
PRCO133	Game Development	2	1	0	3	2	3	0	5	PCCO104
PRIN151	System Administration and Maintenance	2	1	0	3	2	3	0	5	PRIN143
PRIN192	Undergraduate Research 2	3	0	0	3	3	0	0	3	PRIN191
COLA21	Malikhaing Komunikasyon Gamit ang Panitikang Popular	3	0	0	3	3	0	0	3	NONE
COSH12	Living and Loving Relationships	2	0	0	2	2	0	0	2	NONE
	TOTAL	16	4	0	20	16	12	0	28	

Second Semester

Class Code	Descriptive Title	Units				No. of Hours				Pre-requisite
		Lec	Lab	Prac	Total	Lec	Lab	Prac	Total	
PRCO124	Networking 4	2	1	0	3	2	3	0	5	PRCO123
PRIN183	On-the-Job-Training - 500 hours (total)	-	-	10	10	3	0	28	31	PRIN151
	TOTAL	2	1	10	13	5	3	28	36	

Total No. of Units: 175

RECOMMENDED ELECTIVES:

Class Code	Descriptive Title	Units				No. of Hours				Pre-requisite
		Lec	Lab	Int	Total	Lec	Lab	Int	Total	
PRIN134	Platform Technologies	2	3	0	5	2	1	0	3	NONE
PRIN135	Web Systems and Technologies	2	3	0	5	2	1	0	3	NONE
PRIN142	Integrative Programming Technologies 2	2	3	0	5	2	1	0	3	PRIN141
PRIN144	System Integration Architecture 2	2	3	0	5	2	1	0	3	PRIN143
PRIN150	Human Computer Interaction 2	2	3	0	5	2	1	0	3	PRIN149

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