



Republic of the Philippines
CEBU TECHNOLOGICAL UNIVERSITY
Bachelor of Science in Information Systems (BSIS)
Per CMO No. 25 s. 2015
Effective as of A.Y. 2021-2022



BSIS
August 2021
Revision: 1

FIRST YEAR

1 st Semester							
Course Code	Descriptive Title	Co-/Prerequisite	Units	Hours			Remarks
				Lec	Lab	Total	
GEC-RPH	Readings in Philippine History	None	3	3	0	3	
GEC-MMW	Mathematics in the Modern World	None	3	3	0	3	
GEE-TEM	The Entrepreneurial Mind	None	3	3	0	3	
CC 111	Introduction to Computing	None	3	2	3	5	
CC 112	Computer Programming 1 (Lec)	None	2	2	0	2	
CC 112 L	Computer Programming 1 (Lab)	None	3	0	9	9	
PE 1	Physical Education 1	None	2	2	0	2	
NSTP 1	National Service Training Program 1	None	3	3	0	3	
Total			22	18	12	30	

2 nd Semester							
Course Code	Descriptive Title	Co-/Prerequisite	Units	Hours			Remarks
				Lec	Lab	Total	
GEC-PC	Purposive Communication	None	3	3	0	3	
GEC-STIS	Science, Technology and Society	None	3	3	0	3	
GEC-US	Understanding the Self	None	3	3	0	3	
CC 123	Computer Programming 2 (Lec)	CC 112, CC 112 L	2	2	0	2	
CC 123 L	Computer Programming 2 (Lab)	CC 112, CC 112 L	3	0	9	9	
PC 121	Fundamentals of Information Systems	CC 111	3	3	0	3	
PC 122	Organization and Management Concepts	CC 111	3	3	0	3	
PE 2	Physical Education 2	None	2	2	0	2	
NSTP 2	National Service Training Program 2	NSTP 1	3	3	0	3	
Total			25	22	9	31	

SECOND YEAR

1 st Semester							
Course Code	Descriptive Title	Co-/Prerequisite	Units	Hours			Remarks
				Lec	Lab	Total	
GEC-E	Ethics	None	3	3	0	3	
GEE-ES	Environmental Science	None	3	3	0	3	
GEC-LWR	Life and Works of Rizal	None	3	3	0	3	
CC 214	Data Structures and Algorithms (Lec)	CC 123, CC 123 L	2	2	0	2	
CC 214 L	Data Structures and Algorithms (Lab)	CC 123, CC 123 L	3	0	9	9	
PC 213	Professional Issues in Information Systems	None	3	3	0	3	
PC 214	Financial Management	PC 122	3	3	0	3	
AP 1	Computer Architecture and Organization	CC 123, CC 123 L	3	2	3	5	
PE 3	Physical Education 3	None	2	2	0	2	
Total			25	21	12	33	

2 nd Semester							
Course Code	Descriptive Title	Co-/Prerequisite	Units	Hours			Remarks
				Lec	Lab	Total	
GEC-TCW	The Contemporary World	None	3	3	0	3	
GEE-GSPS	Gender and Society with Peace Studies	None	3	3	0	3	
GEE-PEE	People and the Earth's Ecosystems	None	3	3	0	3	
CC 225	Information Management (Lec)	CC 214, CC 214 L	2	2	0	2	
CC 225 L	Information Management (Lab)	CC 214, CC 214 L	3	0	9	9	
PC 225	IT Infrastructure and Network Technologies	AP 1	3	2	3	5	
PC 226	Business Process Management	PC 214	3	3	0	3	
AP 2	Web I: Client Development	CC 214, CC 214 L	3	2	3	5	
PE 4	Physical Education 4	None	2	2	0	2	
Total			25	20	15	35	

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THIRD YEAR

1 st Semester							
Course Code	Descriptive Title	Co-/Prerequisite	Units	Hours			Remarks
				Lec	Lab	Total	
PC 317	Systems Analysis and Design (Lec)	CC 225, CC 225 L	2	2	0	2	
PC 317 I	Systems Analysis and Design (Lab)	CC 225, CC 225 L	3	0	9	9	
PC 318	Enterprise Architecture	PC 225	3	2	3	5	
PC 319	Evaluation of Business Performance	PC 226	3	3	0	3	
PC 3110	Quantitative Methods	None	3	3	0	3	
AP 3	Web II: Web Application Development	AP2	3	2	3	5	
AP 4	Database Administration DBMS	CC 225, CC 225 L	3	2	3	5	
Total			20	14	18	32	

2 nd Semester							
Course Code	Descriptive Title	Co-/Prerequisite	Units	Hours			Remarks
				Lec	Lab	Total	
GEC-AA	Art Appreciation	None	3	3	0	3	
PC 3211	IS Project Management 1	PC 317, PC 317 L	3	3	0	3	
PC 32112	Capstone Project 1	PC 317, PC 317 L	3	3	0	3	
P Elec 1	Data Mining	AP 4	3	2	3	5	
P Elec 2	Customer Relationship Management	PC 319	3	2	3	5	
CC 326	Application Development and Emerging Technologies	PC 317, PC 317 L	3	2	3	5	
AP 5	Foundations of Software Engineering	PC 317, PC 317 L	3	2	3	5	
AP 6	System Administration and Maintenance	PC 225	3	2	3	5	
Total			24	19	15	34	

FOURTH YEAR

1 st Semester							
Course Code	Descriptive Title	Co-/Prerequisite	Units	Hours			Remarks
				Lec	Lab	Total	
GEE-FE	Functional English	NONE	3	3	0	3	
PC 4113	IS Strategy, Management and Acquisition	PC 3211	3	3	0	3	
PC 4114	Capstone Project 2	PC 3212	3	3	0	3	
P Elec 3	Enterprise Systems	PC 318	3	2	3	5	
P Elec 4	IT Audit and Controls	PC 3211	3	2	3	5	
Total			15	13	6	19	

2 nd Semester							
Course Code	Descriptive Title	Co-/Prerequisite	Units	Hours			Remarks
				Lec	Lab	Total	
PC 4215	On-the-Job Training (OJT)	4 th Year Standing	9	-	-	729	
Total			9	-	-	729	

TOTAL UNITS OF THE CURRICULUM		UNITS
I	General Education Courses	
	Core Courses (GEC)	24
	Mandated Course, Rizal (GEC)	3
	Elective Courses (GEE)	15
II	Common Courses (CC)	26
III	Professional Courses (PC)	44
IV	On-the-Job Training (PC)	9
V	Professional Electives (P Elec)	12
VI	Professional/Domain Courses (AP)	18
VII	Physical Education (PE)	8
VIII	National Service Training Program (NSTP)	6
Total		165

Reviewed by:

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