

**College of Information Technology**  
Mindanao State University  
Marawi City

**BACHELOR OF SCIENCE IN INFORMATION TECHNOLOGY**  
Database Systems Track (2018)

**SANCHEZ,VILMALYN M.**  
**2nd Year**  
**202041763**

**P R O S P E C T U S**

First Year, First Semester							
COURSE No.	COURSE TITLE	UNITS	HOURS/WEEK			PRE-REQUISITE	CO-REQUISITE
			LEC	LAB	TOTAL		
GEC101	Understanding the Self	3	3	0	3	None	None
GEC102	Purposive Communication	3	3	0	3	None	None
MAT104	Discrete Structures	3	3	0	3	None	None
GEC104	Mathematics in the Modern World	3	3	0	3	None	None
CCC100	Fundamentals of Computing	3	2	3	5	None	None
CCC101	Computer Programming 1	3	2	3	5	None	None
PED001	Exercise Prescription and Management	2	2	0	2	None	None
NST001	National Service Training Program 1	(3)	0	0	(3)	None	None
	TOTAL	20/(23)	18	6	24/(27)		

First Year, Second Semester							
COURSE No.	COURSE TITLE	UNITS	HOURS/WEEK			PRE-REQUISITE	CO-REQUISITE
			LEC	LAB	TOTAL		
GEC103	The Contemporary World	3	3	0	3	None	None
GEC105	Readings in Philippine History	3	3	0	3	None	None
GEC106	Art Appreciation	3	3	0	3	None	None
FPE101	Fundamental of Peace Education	3	3	0	3	None	None
MAT051	Calculus 1	5	5	0	5	None	None
CCC102	Computer Programming 2	3	2	3	5	CCC101	None
PED002	Dance / Martial Arts	2	2	0	2	PED001	None
NST002	National Service Training Program 2	(3)	0	0	(3)	NST001	None
	TOTAL	22/(25)	21	3	24/(27)		

Second Year, First Semester							
COURSE No.	COURSE TITLE	UNITS	HOURS/WEEK			PRE-REQUISITE	CO-REQUISITE
			LEC	LAB	TOTAL		
GEC107	Ethics	3	3	0	3	None	None
GEC108	Science, Technology and Society	3	3	0	3	None	None
Lang Elect	Foreign Language	3	3	0	3	None	None
MAT061	Calculus 2	3	5	0	5	MAT051	None
CCC121	Data Structures and Algorithms	3	2	3	5	CCC102	None
ITE131	Computer Architecture and Operating Systems	3	3	0	3	None	None
PED003	Individual/Dual Sports/Traditional/Recreational Games	2	2	0	2	PED001	None
	TOTAL	22	21	3	24		

Second Year, Second Semester							
COURSE No.	COURSE TITLE	UNITS	HOURS/WEEK			PRE-REQUISITE	CO-REQUISITE
			LEC	LAB	TOTAL		
GEC109	Life and Works of Rizal	3	3	0	3	None	None
ITE114/ MAT121/ *	Numerical Linear Algebra and Matrix Theory/ Linear Algebra/Technical Elective	3	2	3	5	MAT104 and CCC101	None
STT071	Probability and Statistical Inference for Computing Systems	2	2	0	2	CCC102	STT071.1
STT071.1	Probability and Statistical Inference for Computing Systems (Lab)	1	0	3	3	CCC102	STT071
ITE125	Introduction to Human Computer Interaction	3	2	3	5	CCC102	None
ITE132	Fundamentals of Computer Networks	3	2	3	5	ITE131	None
CCC151	Information Management	3	2	3	5	CCC121	None
PED004	Team Sports	2	2	0	2	PED001	None
	TOTAL	20	15	15	30		

\*Any Technical Electives for Database Track

Third Year, First Semester							
COURSE No.	COURSE TITLE	UNITS	HOURS/WEEK			PRE-REQUISITE	CO-REQUISITE
			LEC	LAB	TOTAL		
HIS003	History of Filipino Muslims and the Indigenous Peoples of MINSUPALA	3	3	0	3	None	None
FIL101	Wika at Kultura sa Mapayapang Lipunan	3	3	0	3	None	None
ITE152	Advance Databases	3	2	3	5	CCC151	None
ISY108	Requirements Engineering	3	2	3	5	CCC151	None
CCC181	Application Development and Emerging Technologies	3	2	3	5	CCC151	None
ITE191/ITE198	CAPSTONE 1/ Research Methods	3	3	0	3	ITE132/CCC151	None
Tech Elect 1	Technical Elective 1	3	2	3	5	CCC151	None
	TOTAL	21	17	12	29		

Third Year, Second Semester							
COURSE No.	COURSE TITLE	UNITS	HOURS/WEEK			PRE-REQUISITE	CO-REQUISITE
			LEC	LAB	TOTAL		
FIL102	Ekokritisismo at Pagpapahalaga sa Kalikasan	3	3	0	3	None	None
ITE153	Introduction to Artificial Intelligence and Expert Systems	3	2	3	5	CCC121	None
ITE182	System Integration, Administration and Maintenance	3	3	0	3	CCC151	None
ITE193	Special Topics in IT	3	3	0	3	ITE152	None
ITE192/ITE199	CAPSTONE 2/ UNDERGRADUATE THESIS	3	3	0	3	ITE191/ITE198	None
Tech Elect 2	Technical Elective 2	3	2	3	5	CCC151	None
Tech Elect 3	Technical Elective 3	3	2	3	5	CCC151	None
	TOTAL	21	18	9	27		

Fourth Year, First Semester							
COURSE No.	COURSE TITLE	UNITS	HOURS/WEEK			PRE-REQUISITE	CO-REQUISITE
			LEC	LAB	TOTAL		
ENT101	Startup Essentials: Fundamentals of Innovation-driven Entrepreneurship	3	3	0	3	None	None
ITE183	Web Systems and Technologies	3	2	3	5	CCC181	None
ITE184	Social, Legal and Professional Issues in Computing	3	3	0	3	GEC107	None
ITE185	Information Assurance and Security	3	3	0	3	CCC151	None
Tech Elect 4	Technical Elective 4	3	2	3	5	CCC151	None
Tech Elect 5	Technical Elective 5	3	2	3	5	CCC151	None
	TOTAL	18	15	9	24		

Fourth Year, Second Semester							
COURSE No.	COURSE TITLE	UNITS	HOURS/WEEK			PRE-REQUISITE	CO-REQUISITE
			LEC	LAB	TOTAL		
ITE197	On-the-Job Training	6	0	40	40	None	None
	TOTAL	6	0	40	486		

**GRAND TOTAL 150 (156) units**

**SUMMARY OF ACADEMICS UNITS:**

First Year	
First Semester	20 (23)
Second Semester	22 (25)
Second Year	
First Semester	22
Second Semester	20
Third Year	
First Semester	21
Second Semester	21
Fourth Year	
First Semester	18
Second Semester	6
Total	150 (156)

**TECHNICAL ELECTIVES:**

ITD100 Data Warehousing and Data Mining  
 ITD101 Distributed Databases  
 ITD102 R Programming Language  
 ITD103 Modern Query Languages  
 ITD104 Database Security, Admin & Management  
 ITD105 Big Data Analysis  
 ITD106 Lexical Databases  
 ITD107 Information Assurance  
 ITD108 Information Engineering  
 ITD109 Knowledge Base Systems  
 ITD110 NoSQL Databases  
 ITD111 Business Intelligence  
 ITD112 Data Visualization Techniques  
 ITD113 Applied Linear Models  
 ITD114 Software Quality Assurance and Metrics  
 ITD115 Platform Technologies