



**COLLEGE OF INFORMATICS AND COMPUTING SCIENCES**  
**Bachelor of Science in Computer Science**  
Academic Year 2018-2019  
Reference: **CMO No. 25, s. 2015, CMO 4 s. 2018, CMO No 20, s. 2013,**  
**PICAB Criteria for Accrediting ITE Programs and ABET CAC Criteria**  
**for Accrediting Computing Programs**

Name: Alfred Mendoza  
Student Number: 18-00033

Final Grade	Course Code	Course Title	Unit/s	Hours		Pre-Requisite/s	Co-Requisite/s
				Lec	Lab		
FIRST YEAR							
First Semester							
1.25	IT 111	Introduction to Computing	3	2	3	-	IT 212,IT 221,CS 212,IT 211,CS 423
1.75	CS 111	Computer Programming	3	2	3	-	CS 121,CS 212
2.75	Fili 101	Kontekstwalisadong Komunikasyon sa Filipino	3	3	-	-	-
1.75	GEd 101	Understanding the Self	3	3	-	-	-
2.75	GEd 102	Mathematics in the Modern World	3	3	-	-	Math 407
2.25	Math 111	Linear Algebra	3	3	-	-	Math 401
1.75	PE 101	Physical Fitness, Gymnastics and Aerobics	2	2	-	-	PE 102,PE 103,PE 104
1.50	NSTP 111	National Service Training Program 1	3	3	-	-	NSTP 121
TOTAL			23	21	6		
FIRST YEAR							
Second Semester							
1.75	CS 121	Advanced Computer Programming	3	2	3	CS 111	CS 131
2.50	Fili 102	Filipino sa Iba't-ibang Disiplina	3	3	-	-	-
1.75	GEd 105	Readings in Philippine History	3	3	-	-	-
2.00	GEd 108	Art Appreciation	3	3	-	-	-
1.75	Math 401	Differential Calculus	3	3	-	Math 111	Math 402,CpE 405,Math 408
1.50	Math 407	Number Theory	3	3	-	GEd 102	Math 409
1.75	PE 102	Rhythmic Activities	2	2	-	PE 101	-
2.00	NSTP 121	National Service Training Program 2	3	3	-	NSTP 111	-
TOTAL			23	22	3		
FIRST YEAR							
Summer							
1.50	CS 131	Data Structures and Algorithms	3	2	3	CS 121	CS 211,CS 221
1.50	Math 402	Integral Calculus	3	3	-	Math 401	Phy 101,ENGG 414
1.75	Litr 102	ASEAN Literature	3	3	-	-	-
TOTAL			9	8	3		

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SECOND YEAR							
First Semester							
1.25	CS 211	Object-Oriented Programming	3	2	3	CS 131	CS 222,CS 312,IT 314
2.25	CS 212	Computer Organization w/ Assembly Language	3	2	3	IT 111, CS 111	CS 323
1.75	IT 211	Database Management Systems	3	2	3	IT 111	-
2.00	IT 212	Computer Networking 1	3	2	3	IT 111	IT 323
1.75	Phy 101	Calculus-Based Physics	3	2	3	Math 402	ES 101
2.00	CpE 405	Discrete Mathematics	3	3	-	Math 401	-
1.75	GEd 109	Science, Technology and Society	3	3	-	-	-
1.25	PE 103	Individual and Dual Sports	2	2	-	PE 101	-
TOTAL			23	18	15		
SECOND YEAR							
Second Semester							
1.25	CS 221	Design and Analysis of Algorithms	3	2	3	CS 131	CS 311,CS 324
5.00, 2.25	CS 222	Advanced Object-Oriented Programming	3	2	3	CS 211	IT 321
1.75	IT 221	Information Management	3	2	3	IT 111	IT 331
1.50	GEd 106	Purposive Communication	3	3	-	-	-
1.75	GEd 107	Ethics	3	3	-	-	-
1.25	ES 101	Environmental Sciences	3	2	3	Phy 101	-
1.50	ENGG 414	Numerical Methods	3	3	-	Math 402	-
1.75	PE 104	Team Sports	2	2	-	PE 101	-
TOTAL			23	19	12		
THIRD YEAR							
First Semester							
1.75	CS 311	Automata Theory and Formal Languages	3	3	-	CS 221	CS 321
1.50	CS 312	Mobile Computing	3	2	3	CS 211	-
1.50	IT 321	Human Computer Interaction	3	3	-	CS 222	CS 322
1.50	IT 314	Web Systems and Technologies	3	2	3	CS 211	-
5.00	IT 331	Application Development and Emerging Technologies	3	2	3	IT 221	-
1.50	Math 408	Data Analysis	3	3	-	Math 401	CS 324
1.50	GEd 104	The Contemporary World	3	3	-	-	-
TOTAL			21	18	9		
THIRD YEAR							
Second Semester							
	CS 321	Programming Languages	3	3	-	CS 311	-
	CS 322	Software Engineering	3	2	3	IT 321	CS 413
	CS 323	Computer Architecture	3	3	-	CS 212	CS 415
	CS 324	Modeling and Simulation	3	2	3	CS 221, Math 408	CS 412,CS 414
	CSE 1	CS Professional Elective 1	3	2	3	-	-
	GEd 103	The Life and Works of Rizal	3	3	-	-	-
	Math 409	Symbolic Logic	3	3	-	Math 407	-
TOTAL			21	18	9		
MIDTERM							
	CS 331	CS Internship	3	-	162	Regular 3rd Year	-
TOTAL			3	-	162		

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FOURTH YEAR  
First Semester

	CS 411	CS Thesis 1	3	3	-	Regular 4th Year	CS 421,ENGG 405
	CS 412	Fundamentals of Data Science	3	2	3	CS 324	-
	CS 413	Advanced Software Engineering	3	2	3	CS 322	-
	CS 414	Artificial Intelligence	3	2	3	CS 324	CS 422
	CS 415	Principles of Operating Systems	3	3	-	CS 323	-
	CSE 2	CS Professional Elective 2	3	2	3	-	-
		TOTAL	18	14	12		

FOURTH YEAR  
Second Semester

	CS 421	CS Thesis 2	3	3	-	CS 411	-
	CS 422	Machine Learning	3	2	3	CS 414	-
	CS 423	Social Issues and Professional Practice	3	3	-	IT 111	-
	IT 323	Information Assurance and Security	3	2	3	IT 212	-
	ENGG 405	Technopreneurship	3	3	-	CS 411	-
	CPE 3	CS Professional Elective 3	3	2	3	-	-
		TOTAL	18	15	9		