

Course Checklist

First Year - First Semester

Course No.		Descriptive Title	Lec	La b	Units	Pre- requisite	Co requisite s
	Theo 1	I Believe	3		3	None	
	Engl 1	Communication Arts I	3		3	None	
	Fil 1	Komunikasyon sa Akademikong Filipino	3		3	None	
	Hist 1	Philippine History	3		3	None	
	Math 1A	College Algebra	3		3	None	
	Math 2A	Plane and Spherical Trigonometry	3		3	None	
	ICS 111	Introduction to Computer Science I (Lec)	2		2	None	
	ICS 111L	Introduction to Computer Science I (Lab)		1	1	None	
	ICS 112	Computer Programming I	2		2	None	
	ICS 112L	Computer Programming I (Lab)		1	1	None	
	PE 1	Physical Fitness	2		2	None	
Total			24	2	26		

First Year - Second Semester

Course No.		Descriptive Title	Lec	La b	Units	Pre- requisite	Co requisite s
	Theo 2	Believing into Discipleship	3		3	Theo 1	
	Engl 2	Communication Arts II	3		3	Engl 1	
	Fil 2	Pagbasa at Pagsulat Tungo sa Pananaliksik	3		3	Fil 1	
	Psycho 1	General Psychology with Drug Prevention	3		3	None	
	Math 3B	Analytic Geometry	4		4	Math 1A, Math 2A	
	Chem 1A	General and Inorganic Chemistry I (Lec)	3		3	None	
	Chem 1AL	General and Inorganic Chemistry I (Lab)		1	1	None	
	ICS 121	Introduction to Computer Sciences II (Lec)	2		2	ICS 111	
	ICS 121L	Introduction to Computer Sciences II (Lab)		1	1	ICS 111L	ICS 121
	ICS 222	Computer Programming II (Lec)	2		2	ICS 121	
	ICS 222L	Computer Programming II (Lab)		1	1	ICS 112L	ICS 122
	PE 2	Rhythmic Activities	2		2	PE1	
Total			25	2	28		

First Year - Summer

Course No.		Descriptive Title	Lec	La b	Units	Pre- requisite	Co requisite s
	NSTP-WTS 1	National Service Training Program I	3		3	None	
	Hist 2	Life and Works of Rizal	3		3	Hist 1	
	Polit Sc 1	Politics and Governance w/ Phil. Const.	3		3		
Total			9		9		

Second Year - First Semester

Course No.		Descriptive Title	Lec	La b	Units	Pre- requisite	Co requisite s
	Theo 3	Discipleship in Community	3		3	Theo 2	
	Engl 4	Public Speaking and Argumentation	3		3	Engl 2	
	Philos 2	Logic	3		3		
	Econ 1	Basic Economics with TAR	3		3		
	Math 4A	Differential Calculus	3		3	Math 3B	
	ICS 211	Data Structures with Algorithm Development (Lec)	2		2	ICS 122	
	ICS 211L	Data Structures with Algorithm Development (Lab)		1	1	ICS 122, ICS 122L	ICS 211
	PE 3	Individual / Dual Sports and Games	2		2	PE 1	
Total			23	1	24		

Second Year – Second Semester

Course No.		Descriptive Title	Lec	La b	Units	Pre- requisite	Co requisite s
	Theo 4	Living Like Jesus	3		3	Theo 3	
	Philos 2	Ethics	3		3	Philos 1	
	Phys 1A	College Physics I (Lec)	3		3	Math 1A, Math 2A	
	Phys 1AL	College Physics I (Lab)		1	1	Math 1A, Math 2A	
	Math 5A	Integral Calculus	4		4	Math 3B	
	ICS 222	Computer Architecture (Lec)	2		2	ICS 212	
	ICS 222L	Computer Architecture (Lab)		1	1	ICS 212	ICS 222

	ICS 221	File Organization	3		3	ICS 211	
	PE 4	Team Sports and Games	2		2	PE 1	
Total			25	2	23		

Second Year - Summer

Course No.		Descriptive Title	Lec	La b	Units	Pre-requisite	Co requisite s
	NSTP – CWTS 2	National Service Training Program II	3		3	NSTP – CWTS 1	
	ICS 313	Discrete Mathematics	3		3	ICS 211, Philos 1	
	Phys 2B	Electromagnetism and Electricity	3		3	Phys 1A, Phys 1AL	
Total			9		9		

Third Year - First Semester

Course No.		Descriptive Title	Lec	Lab	Units	Pre-requisite	Co requisite s
	Engl 7	Technical Writing	3		3	Engl 2	
	ICS 311	Operating Systems (Lec)	2		2	ICS 211, ICS 222, ICS 222L	
	ICS 311L	Operating Systems (Lab)		1	1	ICS 222L	ICS 311
	ICS 312	Programming Applications (Lec)	2		2	ICS 211, ICS 211L	
	ICS 312L	Programming Applications (Lab)		1	1	ICS 211L	UCS 312
	CS 311A	Object Oriented Programming	3		3	ICS 221	
	IT 311	Systems Analysis and Design	3		3	ICS 221	
	ICS 321	Database Management Systems (Lec)	2		2	ICS 313, IT 311	IT 311, ICS 312
	ICS 321L	Database Management Systems (Lab)		1	1		ICS 321
Total			15	3	18		

Third Year - Second Semester

Course No.		Descriptive Title	Lec	Lab	Units	Pre-requisite	Co requisites
	ICS 322	Data Communications and Computer Networks (Lec)	2		2	ICS 311	
	ICS 322L	Data Communications and Computer networks (Lab)		1	1	ICS 311L	ICS 322
	CS 321a	Introduction to Automata and Formal Languages	3		3	ICS 313	
	CS 321d	Structure of Programming Languages	3		3	ICS 313	
	CS 322	Methods of Research in Computer Sciece	3		3		
	IT 324	Web Systems and Technologies (Lec)	2		2	3 rd year standing	
	IT 324L	Web Systems and Technologies (Lab)		1	1		ICS 324
	Math 8A	Abstract Algebra	3		3	ICS 313	
Total			18	2	16		

Third Year - Summer

Course No.		Descriptive Title	Lec	Lab	Units	Pre-requisite	Co requisites
	CS 412	Practicum			3	4 th year standing	
Total					4		

Fourth Year - First Semester

Course No.		Descriptive Title	Lec	La b	Units	Pre-requisite	Co requisites
	ICS 411	Quality Consciousness, Habit and Processes	3		3	4 th year standing	
	Research 1	CS Thesis I	3		3	4 th year standing	
	IT 413	Software Engineering	3		3	4 th year standing	
	CS 321B	Artificial Intelligence	3		3	4 th year standing	
	CS 311B	Compiler Design	3		3	4 th year standing	
	Elective	Elective	3		3	4 th year standing	
Total			18		18		

Fourth Year - Second Semester

Course No.		Descriptive Title	Lec	La b	Units	Pre- requisite	Co requisit es
	Research 2	CS Thesis II	3		3	Research 1	
	IT 422	System Resource Management	3		3	4 th year standing	
	CS 422A	Modeling and Simulation	3		3	4 th year standing	
	Math 7A	Fundamentals of Probability and Statistics	3		3	Math 5A	
	Elective	Elective	3		3	4 th year standing	
Total			15		15`		

ITE Electives: **REQUIRED**

Course No.		Descriptive Title	Lec	La b	Unit s	Pre- requisite	Co requisites
	IT 311	Systems Analysis and Design	3		3	ICS 221	
	IT 412	Practicum	3		3	3 rd year standing	
	IT 413	Software Engineering	3		3	4 Th year standing	
	CS32 1B	Artificial Intelligence	3		3	4 th year standing	
	IT 324	Web Systems and Technologies (Lec)	2		2	3 rd year standing	
	IT 324L	Web Systems and Technologies (Lab)		1	1	3 rd year standing	IT 324

Six (6) units **FREE** Electives are chosen from the following list.

Course No.		Descriptive Title	Lec	La b	Units	Pre- requisite
	ICS311A	Numerical Methods	3		3	3 rd year standing
	IT 311A	E-Commerce	2	1	3	3 rd year standing
	IT 311B	Human Computer Interaction	3		3	3 rd year standing
	CS 321C	Intro to Parallel Computing	3		3	3 rd year standing
	IT 321B	Data Warehousing	3		3	3 rd year standing
	ICS 411B	Intro to Operations Research	3		3	4 th year standing
	ICS 411A	Advanced Operating Systems	3		3	4 th year standing
	CS 411A	Advanced Computer Architecture	3		3	4 th year standing
	CS 411B	Distributed Systems	3		3	4 th year standing
	CS 411C	Special Topics in Computer Science	3		3	4 th year standing
	IT 411A	Introduction to Neural Networks	3		3	4 th year standing
	IT 411B	Advances Database Management Systems	3		3	4 th year standing
	ICS 421A	Advanced Networking Topics	2	1	3	4 th year standing

	ICS 421B	Knowledge and Complex Adaptive Systems	3		3	4 th year standing
	CS 421A	Interacting and Communicating	3		3	4 th year standing
	CS 421B	Computer Graphics	2	1	3	4 th year standing
	CS 421C	Computer Performance Modeling	3		3	4 th year standing
	IT 412A	Advance Software Engineering	3		3	4 th year standing
	IT 412B	IT Organization Management	3		3	4 th year standing
	CS 422B	Intro to Robotics	3		3	4 th year standing
	IT 013	Mobile Technology	2	1	3	4 th year standing