

**BACHELOR OF SCIENCE IN COMPUTER SCIENCE/MASTER OF SCIENCE IN COMPUTER SCIENCE
EFFECTIVE SCHOOL YEAR 2012-2013**

		FIRST YEAR			
<u>First Semester</u>		<u>Units</u>	<u>Second Semester</u>		<u>Units</u>
EN 11	Communication in English I	3	EN 12	Communication in English II	3
LIT 13	Introduction to Fiction	3	LIT 14	Introduction to Poetry and Drama	3
FIL 11	Sining ng Pakikipagtalastasan sa Filipino I	3	FIL 12	Sining ng Pakikipagtalastasan sa Filipino II	3
MA 18A	Principles of Modern Mathematics I	3	MA 20.2	Calculus for Computer Science	6
MA 18B	Principles of Modern Mathematics II	3	CS 21B	Introduction to Computing II	3
CS 21A	Introduction to Computing I	3	PE 2	Physical Education	(2)
PE 1	Physical Education	(2)	INTAC 2	Introduction to Ateneo Culture and Traditions	(0)
INTAC 1	Introduction to Ateneo Culture and Traditions	(0)			
	<i>Total:</i>	18		<i>Total:</i>	18

		<u>Units</u>
<u>Summer</u>		
FLC	Foreign Language and Culture	3
PSY 101	General Psychology	3
	<i>Total:</i>	6

		<u>Units</u>	<u>Second Semester</u>		<u>Units</u>
<u>First Semester</u>					
AMC 124	Math for Computer Science I	3	AMC 125	Math for Computer Science II	3
FIL 14	Panitikan ng Pilipinas	3	HI 16/HI 18	Asian / Western History	3
TH 121	An Introduction to Doing a Catholic Theology	3	SCI 10	Science and Society	3
PS 21	College Physics I, Lecture	3	CS 122	Database Systems	3
PS 21.1	College Physics I, Laboratory	2			
CS 110	Data Structures and Algorithms	3	PS 140	Electronics	5
PE 3	Physical Education	(2)	PE 4	Physical Education	(2)
NSTP 1	National Service Training Program	(3)	NSTP 2	National Service Training Program	(3)
	<i>Total:</i>	17		<i>Total:</i>	17

		<u>Units</u>
<u>Summer</u>		
SA 21	Introduction to Sociology and Anthropology	3
Free Elective		3
	<i>Total:</i>	6

		<u>Units</u>	<u>Second Semester</u>		<u>Units</u>
<u>First Semester</u>					
PH 101	Philosophy of the Human Person I	3	PH 102	Philosophy of the Human Person II	3
HI 165	Rizal and the Emergence of the Philippine Nation	3	CS 124	Object-oriented Software Design and Implementation	3
CS 123	Introduction to Software Engineering	3	TH 131	Marriage, Family Life and Human Sexuality in a Catholic Perspective	3
CS 152A	Computer Organization I	3	CS 162A	Operating Systems	3
CS 152B	Computer Organization II	3	CS 162B	Systems Programming	3
CS Elective		3	CS Elective		3
	<i>Total:</i>	18		<i>Total:</i>	18

		<u>Units</u>
<u>Summer</u>		
CS 197A	Integrative Project	1
CS 199.1	Practicum	3
	<i>Total:</i>	4

		<u>Units</u>	<u>Second Semester</u>		<u>Units</u>
<u>First Semester</u>					
PH 103/PH 104	Philosophy of Religion / Foundations of Moral Value	3	PH 103/PH 104	Philosophy of Religion / Foundations of Moral Value	3
TH 141/TH 151	A Theology of the Catholic Social Vision / The Catholic Commitment of Today's Filipino: A Synthesis	3	TH 141/TH 151	A Theology of the Catholic Social Vision / The Catholic Commitment of Today's Filipino: A Synthesis	3
HI 166	Philippine History	3	POS 100	Politics and Governance	3
EC 102	Basic Economics, Agrarian Reform, and Taxation	3	CS 197C	Integrative Project	1
CS 154	Computer Networks and Data Communications	3	CS 112	Structure of Programming Languages	3
CS 197B	Integrative Project	1	CS 130	Theory of Computation	3
CS Elective		3	Free Elective		3
CS 2XX	<i>CS Elective 1</i>	3			
	<i>Total:</i>	22		<i>Total:</i>	19

		<u>Units</u>
<u>Summer</u>		
CS 290	Methods of Research (CS Required Elective 2)	3
CS 2XX	<i>CS Elective 3</i>	3
CS 2XX	<i>CS Elective 4</i>	3
		9

		<u>Units</u>	<u>Second Semester</u>		<u>Units</u>
<u>First Semester</u>					
CS 240	<i>Advanced Data Structures and Algorithms</i>	3	CS 242	<i>Theory of Automata and Formal Languages</i>	3
CS 280	<i>Programming Languages and Paradigms</i>	3	CS 255	<i>Computer Architecture and Operating Systems</i>	3
CS 2XX	<i>CS Elective 5</i>	3	CS 300A*	Thesis Writing I	3
CS 2XX	<i>CS Elective 6</i>	3			
	<i>Total:</i>	12		<i>Total:</i>	9

		<u>Units</u>
<u>Summer</u>		
CS 300B*	Thesis Writing II	3

Total number of academic units: 196

