BACHELOR OF SCIENCE IN COMPUTER SCIENCE – MASTER OF SCIENCE IN COMPUTER SCIENCE

Program of Study

FIRST YEAR

First Semester		Units	Second Semester		Units
CSCI 20	Introduction to Computing	3	CSCI 22	Introduction to Programming II	3
CSCI 21	Introduction to Programming I	3	MATH 30.23	Applied Calculus for Science and Engineering I	3
ENGL 11	Purposive Communication	3	ENLIT 12	Literature: Global Voices and Encounters	3
FILI 12	Panitikan ng Pilipinas	3	FILI 11	Malayuning Komunikasyon	3
MATH 10	Mathematics in the Modern World	3	SOCSC 11	Understanding the Self	3
MATH 21	University Precalculus	3	THEO 11	Faith, Spirituality, and the Church	3
PHYED 1	Physical Education 1	(2)	HISTO 11	Rizal and the Emergence of the Philippine Nation	3
INTACT 11	Introduction to Ateneo Culture and Traditions 11	(0)	PHYED 2	Physical Education 2	(2)
			INTACT 12	Introduction to Ateneo Culture and Traditions 12	(0)
	TOTAL	18 (2)		TOTAL	21 (2)

SECOND YEAR

Intersession		Units
MATH 60.2	Introduction to Statistical Analysis	3
SOCSC 12	The Contemporary World	3
MNST ELEC	Math / NatSci / Technology Elective	3
	TOTAL	9

First Semester		Units	Second Semester		Units
CSCI 30	Data Structures and Algorithms	3	MATH 51.4	Math for Computer Science II	3
MATH 30.24	Applied Calculus for Science and Engineering II	3	CSCI 40	Software Tools and Development Frameworks	3
MATH 51.3	Math for Computer Science I	3	PHYS 160	Electronics	5
PHYS 23.11	University Physics for Computer Science I, Lecture	3	THEO 12	Theology of the Catholic Social Vision	3
PHYS 23.12	University Physics for Computer Science I, Laboratory	2	FLC 11	Foreign Language and Culture 11	3
ARTAP10	Art Appreciation	3	HISTO 12	Readings in Philippine History	3
PHILO 11	Philosophy: The Human Condition	3	NSTP 11	National Service Training Program 11	(3)
PHYED 3	Physical Education 3	(2)	PHYED 4	Physical Education 4	(2)
	TOTAL	20 (2)		TOTAL	20 (5)

THIRD YEAR

Intersession		Units
IE 1	Interdisciplinary Elective 1 - English	3
IE 2	Interdisciplinary Elective 2	3
	TOTAL	6

First Semester		Units	Second Semester		Units
CSCI 41	Information Management	3	CSCI 51.01	Operating Systems, Lecture	3
CSCI 50.01	Computer Organization, Lecture	3	CSCI 51.02	Operating Systems, Laboratory	3
CSCI 50.02	Computer Organization, Laboratory	3	CSCI 42	Introduction to Software Engineering	3
ISCS 30.XX	Guided Studies in DISCS	1	ISCS 30.XX	Guided Studies in DISCS	1
PHILO 12	Philosophy of Religion	3	CSCI 199.1	Thesis Writing I	1
THEO 13	A Theology of Marriage, Family, and Vocation	3	SOCSC 13	The Economy, Society, and Sustainable Development	3
CSCI ELEC	CSCI Major Elective	3	CSCI ELEC	CSCI Major Elective	3
			PHILO 13	Ethics	3
			NSTP 12	National Service Training Program 12	(3)
	TOTAL	19 (2)		TOTAL	20 (5)

FOURTH YEAR

Intersession		Units
CSCI 197	Practicum	3
	TOTAL	3

First Semester		Units	Second Semester		Units
CSCI 60	Computer Networks and Data Communications	3	CSCI 61	Information Assurance and Security	3
CSCI 70	Structure and Interpretation of Programming Languages	3	CSCI 71	Theory of Computation	3
CSCI 2XX	Masters Level Elective	3	F ELEC	Free Elective	3
ISCS 30.XX	Guided Studies in DISCS	1	ISCS 30.XX	Guided Studies in DISCS	1
IE 3	Interdisciplinary Elective 3	3	STS 10	Science, Technology, and Society	3
CSCI 199.2	Thesis Writing II	3	CSCI 199.3	Thesis Writing III	3
SOCSC 14	Politics, Governance, and Citizenship	3	DLQ 10	Discerning Life Questions: Towards Leadership and Commitment	3
			CSCI ELEC	CSCI Major Elective	3
	TOTAL	19		TOTAL	22

FIFTH YEAR

Intersession		Units
CSCI 2XX	Masters Level Elective	3
CSCI 2XX	Masters Level Elective	3
CSCI 292	General Methods of Research	3
	TOTAL	9

First Semester		Units	Second Semester		Units
CSCI 201	Advanced Data Structures and Algorithms	3	CSCI 203	Theory of Automata and Formal Languages	3
CSCI 202	Programming Languages and Paradigms	3	CSCI 204	Computer Architecture and Operating Systems	3
CSCI 2XX	Masters Level Elective	3	CSCI 299.1	Thesis Writing I	3
CSCI 2XX	Masters Level Elective	3			
	TOTAL	12		TOTAL	9

SIXTH YEAR

Intersession		Units
CSCI 299.2	Thesis Writing II	3
	TOTAL	3