

BACHELOR OF SCIENCE IN COMPUTER SCIENCE – BACHELOR OF SCIENCE IN DIGITAL GAME DESIGN AND DEVELOPMENT

Program of Study

FIRST YEAR

<u>First Semester</u>	<u>Units</u>	<u>Second Semester</u>	<u>Units</u>
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

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

<u>First Semester</u>	<u>Units</u>	<u>Second Semester</u>	<u>Units</u>
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

<u>Intersession</u>		<u>Units</u>			<u>Units</u>
IE 1	Interdisciplinary Elective 1 - English	3			
IE 2	Interdisciplinary Elective 2	3			
	TOTAL	6			
<u>First Semester</u>		<u>Units</u>	<u>Second Semester</u>		<u>Units</u>
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

<u>Intersession</u>		<u>Units</u>			<u>Units</u>
CSCI 197	Practicum	3			
	TOTAL	3			
<u>First Semester</u>		<u>Units</u>	<u>Second Semester</u>		<u>Units</u>
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 ELEC	CSCI Major 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
	TOTAL	19		TOTAL	19

FIFTH YEAR

<u>Intersession</u>		<u>Units</u>
GDEV 198.1	Integrative Project 1	3
F ELEC	Free Elective	3
	TOTAL	6

<u>First Semester</u>		<u>Units</u>	<u>Second Semester</u>		<u>Units</u>
GDEV 198.2	Integrative Project 2	3	GDEV 198.3	Integrative Project 3	3
GDEV 41	PC and Console Game Development I	3	GDEV 42	PC and Console Game Development II	3
GDEV 50	Game Studies	3	GDEV ELEC	GDEV Major Elective	3
GDEV ELEC	GDEV Major Elective	3	GDEV ELEC	GDEV Major Elective	3
IDES 103.03	Graphic Design Practice	3	F ELEC	Free Elective	3
	TOTAL	15		TOTAL	15