

**Ateneo De Manila University**  
Loyola Heights, Quezon City

**Loyola Schools**

**Deg Code :** BSMS CS

**Version Sem :** 1

**Version Year:** 2018

**Degree Title :** BACHELOR OF SCIENCE IN COMPUTER SCIENCE

**FRESHMAN YEAR**

**1ST SEMESTER**

Catno	Course Title	Units	Prerequisites	Category
ENGL 11	PURPOSIVE COMMUNICATION	3		C
FILI 12	PANITIKAN NG PILIPINAS	3		C
CSCI 20	INTRODUCTION TO COMPUTING	3		M
CSCI 21	INTRODUCTION TO PROGRAMMING I	3		M
MATH 21	UNIVERSITY PRE-CALCULUS	3		M
MATH 10	MATHEMATICS IN THE MODERN WORLD	3		C
INTACT 11	INTRODUCTION TO ATENEO CULTURE AND TRADITIONS 11	(0)		C
PE 1 (2018)	PHYSICAL EDUCATION 1	(2)		PE1

Total: **18 (2)**

**FRESHMAN YEAR**

**2ND SEMESTER**

Catno	Course Title	Units	Prerequisites	Category
ENLIT 12	LITERATURE: GLOBAL VOICES AND ENCOUNTERS	3		C
FILI 11	MALAYUNING KOMUNIKASYON	3		C
CSCI 22	INTRODUCTION TO PROGRAMMING II	3	CSCI 20, CSCI 21	M
MATH 30.23	APPLIED CALCULUS FOR SCIENCE AND ENGINEERING I	3	MATH 21	M
HISTO 11	RIZAL AND THE EMERGENCE OF THE PHILIPPINE NATION	3		C
SocSc 11	UNDERSTANDING THE SELF	3		C
THEO 11	FAITH, SPIRITUALITY, AND THE CHURCH	3		C
INTACT 12	INTRODUCTION TO ATENEO CULTURE AND TRADITIONS 12	(0)		C
PE 2 (2018)	PHYSICAL EDUCATION 2	(2)		PE2

Total: **21 (2)**

**SOPHOMORE YEAR**

**SUMMER**

Catno	Course Title	Units	Prerequisites	Category
FLC 11	FOREIGN LANGUAGE AND CULTURE 11	3		FLC1
MATH 60.2	INTRODUCTION TO STATISTICAL ANALYSIS	3		M
MATH NSCI TECH ELECTIVE	~	3		RM1

Total: **9 (0)**

**SOPHOMORE YEAR**

**1ST SEMESTER**

Catno	Course Title	Units	Prerequisites	Category
PHYS 23.12	UNIVERSITY PHYSICS FOR COMPUTER SCIENCE I, LABORATORY	2		M
PHYS 23.11	UNIVERSITY PHYSICS FOR COMPUTER SCIENCE I, LECTURE	3		M
MATH 30.24	APPLIED CALCULUS FOR SCIENCE AND ENGINEERING II	3		M
CSCI 30	DATA STRUCTURES AND ALGORITHMS	3		M
MATH 51.3	MATH FOR COMPUTER SCIENCE I	3		M
ArtAp 10	ART APPRECIATION	3		C
PHILO 11	PHILOSOPHY: THE HUMAN CONDITION	3		CPH1
PE 3 (2018)	PHYSICAL EDUCATION 3	(2)		PE3

Total: **20 (2)**

**SOPHOMORE YEAR**

**2ND SEMESTER**

Catno	Course Title	Units	Prerequisites	Category
PHYS 160	ELECTRONICS	5		M
MATH 51.4	MATH FOR COMPUTER SCIENCE II	3		M
CSCI 40	SOFTWARE TOOLS AND DEVELOPMENT	3		M

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**SOPHOMORE YEAR**

**2ND SEMESTER**

Catno	Course Title	Units	Prerequisites	Category
	FRAMEWORKS			
HISTO 12	READINGS IN PHILIPPINE HISTORY	3		C
SocSc 12	THE CONTEMPORARY WORLD	3		C
THEO 12	THEOLOGY OF THE CATHOLIC SOCIAL VISION	3		C
PE 4 (2018)	PHYSICAL EDUCATION 4	(2)		PE4

Total: **20 (2)**

**JUNIOR YEAR**

**SUMMER**

Catno	Course Title	Units	Prerequisites	Category
IE 2	INTERDISCIPLINARY ELECTIVE 2	3		IE2
IE 1	INTERDISCIPLINARY ELECTIVE 1 - ENGLISH	3		IE1E

Total: **6 (0)**

**JUNIOR YEAR**

**1ST SEMESTER**

Catno	Course Title	Units	Prerequisites	Category
CSCI MAJOR ELECTIVE (2018)	~	3		ME1
CSCI 50.02	COMPUTER ORGANIZATION, LAB	3		M
CSCI 50.01	COMPUTER ORGANIZATION, LEC	3		M
CSCI 41	INFORMATION MANAGEMENT	3		M
PHILO 12	PHILOSOPHY OF RELIGION	3		C
THEO 13	A THEOLOGY OF MARRIAGE, FAMILY, AND VOCATION	3		C
ISCS 30.XX	GUIDED STUDIES IN DISCS	1		RM2
NSTP 11	NATIONAL SERVICE TRAINING PROGRAM 11	(3)		NP1

Total: **19 (3)**

**JUNIOR YEAR**

**2ND SEMESTER**

Catno	Course Title	Units	Prerequisites	Category
CSCI 42	INTRODUCTION TO SOFTWARE ENGINEERING	3		M
CSCI 199.1	THESIS WRITING I	1		M
CSCI MAJOR ELECTIVE (2018)	~	3		ME2
CSCI 51.02	OPERATING SYSTEMS, LAB	3		M
CSCI 51.01	OPERATING SYSTEMS, LEC	3		M
PHILO 13	ETHICS	3		C
SocSc 13	THE ECONOMY, SOCIETY, AND SUSTAINABLE DEVELOPMENT	3		C
ISCS 30.XX	GUIDED STUDIES IN DISCS	1		RM3
NSTP 12	NATIONAL SERVICE TRAINING PROGRAM 12	(3)		NP2

Total: **20 (3)**

**SENIOR YEAR**

**SUMMER**

Catno	Course Title	Units	Prerequisites	Category
CSCI 197	PRACTICUM	3		M

Total: **3 (0)**

**SENIOR YEAR**

**1ST SEMESTER**

Catno	Course Title	Units	Prerequisites	Category
CSCI 60	COMPUTER NETWORKS AND DATA COMMUNICATIONS	3		M
CSCI 199.2	THESIS WRITING II	3		M
CSCI 70	STRUCTURE AND INTERPRETATION OF PROGRAMMING LANGUAGES	3		M

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**SENIOR YEAR**

**1ST SEMESTER**

Catno	Course Title	Units	Prerequisites	Category
CSCI 2XX	MASTERS LEVEL SUBJECT	3		RM6
IE 3	INTERDISCIPLINARY ELECTIVE 3	3		IE3
SocSc 14	POLITICS, GOVERNANCE, AND CITIZENSHIP	3		C
ISCS 30.XX	GUIDED STUDIES IN DISCS	1		RM4

Total: **19 (0)**

**SENIOR YEAR**

**2ND SEMESTER**

Catno	Course Title	Units	Prerequisites	Category
CSCI MAJOR ELECTIVE (2018)	~	3		ME4
CSCI 71	THEORY OF COMPUTATION	3		M
CSCI 61	INFORMATION ASSURANCE AND SECURITY	3		M
CSCI 199.3	THESIS WRITING III	3		M
DLQ 10	DISCERNING LIFE QUESTIONS: TOWARDS LEADERSHIP AND COMMITMENT	3		C
STS 10	SCIENCE, TECHNOLOGY, AND SOCIETY	3		C
ISCS 30.XX	GUIDED STUDIES IN DISCS	1		RM5
FREE ELECTIVE	FREE ELECTIVE	3		FE1

Total: **22 (0)**

**SUPER SENIOR**

**SUMMER**

Catno	Course Title	Units	Prerequisites	Category
CSCI 2XX	MASTERS LEVEL SUBJECT	3		RM7
CSCI 292	GENERAL METHODS OF RESEARCH	3		M
CSCI 2XX	MASTERS LEVEL SUBJECT	3		RM8

Total: **9 (0)**

**SUPER SENIOR**

**1ST SEMESTER**

Catno	Course Title	Units	Prerequisites	Category
CSCI 2XX	MASTERS LEVEL SUBJECT	3		RM9
CSCI 2XX	MASTERS LEVEL SUBJECT	3		RM10
CSCI 201	ADVANCED DATA STRUCTURES AND ALGORITHMS	3		M
CSCI 202	PROGRAMMING LANGUAGES AND PARADIGMS	3		M

Total: **12 (0)**

**SUPER SENIOR**

**2ND SEMESTER**

Catno	Course Title	Units	Prerequisites	Category
CSCI 203	THEORY OF AUTOMATA AND FORMAL LANGUAGES	3		C
CSCI 204	COMPUTER ARCHITECTURE AND OPERATING SYSTEMS	3		C
CSCI 299.1	THESIS WRITING I	3		C
CSCI 299.2	THESIS WRITING II	3		C

Total: **12 (0)**

**210 (14)**

**Category Legend :**

C - CORE, CPH1 - CORE PHILO 1, FE1 - FREE ELECTIVE 1, FLC1 - FOREIGN LANGUAGE 1, IE1E - INTERDISPLINARY ELECTIVE1 - ENGLISH, IE2 - INTERDISPLINARY ELECTIVE2, IE3 - INTERDISPLINARY ELECTIVE3, M - MAJOR, ME1 - MAJOR ELECTIVE 1, ME2 - MAJOR ELECTIVE 2, ME4 - MAJOR ELECTIVE 4, NP1 - NSTP 1, NP2 - NSTP 2, PE1 - PHYSICAL EDUCATION 1, PE2 - PHYSICAL EDUCATION 2, PE3 - PHYSICAL EDUCATION 3, PE4 - PHYSICAL EDUCATION 4, RM1 - REQUIRED MAJOR 1, RM10 - REQUIRED MAJOR 10, RM2 - REQUIRED MAJOR 2, RM3 - REQUIRED MAJOR 3, RM4 - REQUIRED MAJOR 4, RM5 - REQUIRED MAJOR 5, RM6 - REQUIRED MAJOR 6, RM7 - REQUIRED MAJOR 7, RM8 - REQUIRED MAJOR 8, RM9 - REQUIRED MAJOR 9