

Ateneo De Manila University
Loyola Heights, Quezon City

Loyola Schools

Deg Code : BSMS CS

Version Sem : 1

Version Year: 2012

Degree Title : BACHELOR OF SCIENCE IN COMPUTER SCIENCE

FRESHMAN YEAR

1ST SEMESTER

Catno	Course Title	Units	Prerequisites	Category
LIT 13	INTRODUCTION TO FICTION	3		C
EN 11	COMMUNICATION IN ENGLISH I	3		C
FIL 11	SINING NG PAKIKIPAGTALASTASAN SA FILIPINO I	3		C
MA 18A	PRINCIPLES OF MODERN MATHEMATICS I	3		C
MA 18B	PRINCIPLES OF MODERN MATHEMATICS II	3		C
CS 21A	INTRODUCTION TO COMPUTING I	3		M
INTAC 1	INTRODUCTION TO ATENEO CULTURE	(0)		C
PE 1	PHYSICAL EDUCATION	(2)		PE1

Total: **18 (2)**

FRESHMAN YEAR

2ND SEMESTER

Catno	Course Title	Units	Prerequisites	Category
LIT 14	INTRODUCTION TO POETRY AND DRAMA	3		C
EN 12	COMMUNICATION IN ENGLISH II	3	EN 11	C
FIL 12	SINING NG PAKIKIPAGTALASTASAN SA FILIPINO II	3	FIL 11	C
CS 21B	INTRODUCTION TO COMPUTING II	3	CS 21A	M
MA 20.2	CALCULUS FOR COMPUTER SCIENCE	6	MA 18A, MA 18B	C
INTAC 2	INTRODUCTION TO ATENEO CULTURE	(0)		C
PE 2	PHYSICAL EDUCATION	(2)		PE2

Total: **18 (2)**

SOPHOMORE YEAR

SUMMER

Catno	Course Title	Units	Prerequisites	Category
FLC	JSP/ CHN/ SP/ FR/ BH/ ITAL/ GR (choose one)	3		FLC1
PSY 101	GENERAL PSYCHOLOGY	3		C

Total: **6 (0)**

SOPHOMORE YEAR

1ST SEMESTER

Catno	Course Title	Units	Prerequisites	Category
FIL 14	PANITIKAN NG PILIPINAS	3	FIL 12	C
PS 21	COLLEGE PHYSICS I, LECTURE	3		M
PS 21.1	COLLEGE PHYSICS I, LABORATORY	2		M
AMC 124	MATH FOR COMPUTER SCIENCE I	3	MA 18A, MA 18B	C
CS 110	DATA STRUCTURES AND ALGORITHMS	3	CS 21B	M
TH 121	AN INTRODUCTION TO DOING A CATHOLIC THEOLOGY	3		C
NSTP 1	NATIONAL SERVICE TRAINING PROGRAM	(3)		NP1
PE 3	PHYSICAL EDUCATION	(2)		PE3

Total: **17 (5)**

SOPHOMORE YEAR

2ND SEMESTER

Catno	Course Title	Units	Prerequisites	Category
SCI 10	SCIENCE AND SOCIETY	3		C
PS 140	ELECTRONICS	5	MA 18A, MA 18B, PS 21, PS 21.1	C
CS 122	DATABASE SYSTEMS	3		M
AMC 125	MATH FOR COMPUTER SCIENCE II	3	AMC 124	C
HI 16/HI 18	ASIAN / WESTERN HISTORY	3		CHIS
NSTP 2	NATIONAL SERVICE TRAINING PROGRAM	(3)	NSTP 1	NP2
PE 4	PHYSICAL EDUCATION	(2)		PE4

Total: **17 (5)**

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JUNIOR YEAR

SUMMER

Catno	Course Title	Units	Prerequisites	Category
SA 21	INTRODUCTION TO SOCIOLOGY AND ANTHROPOLOGY	3		C
F ELEC	FREE ELECTIVE	3		FE1

Total: **6 (0)**

JUNIOR YEAR

1ST SEMESTER

Catno	Course Title	Units	Prerequisites	Category
CS 152A	COMPUTER ORGANIZATION I	3	PS 141	M
CS 152B	COMPUTER ORGANIZATION II	3		M
CS 123	INTRODUCTION TO SOFTWARE ENGINEERING	3	CS 110	M
PH 101	PHILOSOPHY OF THE HUMAN PERSON I	3		C
HI 165	RIZAL AND THE EMERGENCE OF THE PHILIPPINE NATION	3		C
CS ELECTIVE	~	3		ME1

Total: **18 (0)**

JUNIOR YEAR

2ND SEMESTER

Catno	Course Title	Units	Prerequisites	Category
CS 162B	SYSTEMS PROGRAMMING	3		M
CS 124	OBJECT ORIENTED SOFTWARE DESIGN AND IMPLEMENTATION	3		M
CS 162A	OPERATING SYSTEMS	3		M
PH 102	PHILOSOPHY OF THE HUMAN PERSON II	3	PH 101	C
TH 131	MARRIAGE, FAMILY LIFE AND HUMAN SEXUALITY IN A CATHOLIC PERSPECTIVE	3	TH 121	C
CS ELECTIVE	~	3		ME2

Total: **18 (0)**

SENIOR YEAR

SUMMER

Catno	Course Title	Units	Prerequisites	Category
CS 199.1	PRACTICUM	3		M
CS 197A	INTEGRATIVE PROJECT	1		M

Total: **4 (0)**

SENIOR YEAR

1ST SEMESTER

Catno	Course Title	Units	Prerequisites	Category
CS 154	COMPUTER NETWORKS AND DATA COMMUNICATIONS	3	CS 152A	M
TH 141/TH 151	TH 141 / TH 151	3	TH 131	CTH1
PH 103/PH 104	PH 103 / PH 104	3	PH 102	CPH1
HI 166	PHILIPPINE HISTORY	3	HI 165	C
EC 102	BASIC ECONOMICS, AGRARIAN REFORM AND TAXATION	3		C
CS 197B	INTEGRATIVE PROJECT	1	CS 197A	M
CS 2XX	ADDITIONAL MASTER'S SUBJECT 1	3		RM1
CS ELECTIVE	~	3		ME3

Total: **22 (0)**

SENIOR YEAR

2ND SEMESTER

Catno	Course Title	Units	Prerequisites	Category
TH 141/TH 151	TH 141 / TH 151	3	TH 131	CTH2
PH 103/PH 104	PH 103 / PH 104	3	PH 102	CPH2
CS 112	STRUCTURE OF PROGRAMMING LANGUAGES	3	CS 21A	M

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SENIOR YEAR

2ND SEMESTER

Catno	Course Title	Units	Prerequisites	Category
CS 130	THEORY OF COMPUTATION	3		M
POS 100	POLITICS AND GOVERNANCE	3		C
CS 197C	INTEGRATIVE PROJECT	1	CS 197B	M
F ELEC	FREE ELECTIVE	3		FE2

Total: **19 (0)**

SUPER SENIOR

SUMMER

Catno	Course Title	Units	Prerequisites	Category
CS 2XX	ADDITIONAL MASTER'S SUBJECT 1	3		RM2
CS 290	METHODS OF RESEARCH	3		M
CS 2XX	ADDITIONAL MASTER'S SUBJECT 1	3		RM3

Total: **9 (0)**

SUPER SENIOR

1ST SEMESTER

Catno	Course Title	Units	Prerequisites	Category
CS 280	PROGRAMMING LANGUAGES AND PARADIGMS	3		M
CS 240 (v.2012)	ADVANCED DATA STRUCTURES AND ALGORITHMS	3		M
CS 2XX	ADDITIONAL MASTER'S SUBJECT 1	3		RM5
CS 2XX	ADDITIONAL MASTER'S SUBJECT 1	3		RM4

Total: **12 (0)**

SUPER SENIOR

2ND SEMESTER

Catno	Course Title	Units	Prerequisites	Category
CS 242	THEORY OF AUTOMATA AND FORMAL LANGUAGES	3		M
CS 255	COMPUTER ARCHITECTURE AND OPERATING SYSTEMS	3	CS 150, CS 161	M
CS 300B	THESIS WRITING II	0		M
CS 300A	THESIS WRITING I	0		M

Total: **6 (0)**

190 (14)

Category Legend :

C - CORE, CHIS - CORE HISTORY, CPH1 - CORE PHILO 1, CPH2 - CORE PHILO 2, CTH1 - CORE THEO 1, CTH2 - CORE THEO 2, FE1 - FREE ELECTIVE 1, FE2 - FREE ELECTIVE 2, FLC1 - FOREIGN LANGUAGE 1, M - MAJOR, ME1 - MAJOR ELECTIVE 1, ME2 - MAJOR ELECTIVE 2, ME3 - MAJOR ELECTIVE 3, 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, RM2 - REQUIRED MAJOR 2, RM3 - REQUIRED MAJOR 3, RM4 - REQUIRED MAJOR 4, RM5 - REQUIRED MAJOR 5