

**Ateneo de Manila University
Loyola Schools**

**BACHELOR OF SCIENCE IN COMPUTER SCIENCE - BACHELOR OF SCIENCE IN DIGITAL GAME
DESIGN AND DEVELOPMENT
(Ver Sem 1, Ver Year 2015)**

FIRST YEAR

First Semester Total Units: 20					Second Semester Total Units: 20				
Subject Code	Course Title	Units	Prerequisites	Category	Subject Code	Course Title	Units	Prerequisites	Category
CS 21A	INTRODUCTION TO COMPUTING I	3		M	CS 21B	INTRODUCTION TO COMPUTING II	3	CS 21A	M
EN 11	COMMUNICATION IN ENGLISH I	3		C	EN 12	COMMUNICATION IN ENGLISH II	3	EN 11	C
FIL 11	SINING NG PAKIKIPAGTALASTASAN SA FILIPINO I	3		C	FIL 12	SINING NG PAKIKIPAGTALASTASAN SA FILIPINO II	3	FIL 11	C
INTAC 1	INTRODUCTION TO ATENEO CULTURE	0		C	INTAC 2	INTRODUCTION TO ATENEO CULTURE	0		C
LIT 13	INTRODUCTION TO FICTION	3		C	LIT 14	INTRODUCTION TO POETRY AND DRAMA	3		C
MA 18A	PRINCIPLES OF MODERN MATHEMATICS I	3		C	MA 20.2	CALCULUS FOR COMPUTER SCIENCE	6	MA 18A, MA 18B	C
MA 18B	PRINCIPLES OF MODERN MATHEMATICS II	3		C	PE 2	PHYSICAL EDUCATION	2		PE2
PE 1	PHYSICAL EDUCATION	2		PE1					

SECOND YEAR

Summer Total Units: 6				
Subject Code	Course Title	Units	Prerequisites	Category
FLC	JSP/ CHN/ SP/ FR/ BH/ ITAL/ GR (choose one)	3		FLC1
PSY 101	GENERAL PSYCHOLOGY	3		C

First Semester Total Units: 22					Second Semester Total Units: 22				
Subject Code	Course Title	Units	Prerequisites	Category	Subject Code	Course Title	Units	Prerequisites	Category
AMC 124	MATH FOR COMPUTER SCIENCE I	3	MA 18A, MA 18B	C	AMC 125	MATH FOR COMPUTER SCIENCE II	3	AMC 124	C
CS 110	DATA STRUCTURES AND ALGORITHMS	3	CS 21B	M	CS 122	DATABASE SYSTEMS	3		M
FIL 14	PANITIKAN NG PILIPINAS	3	FIL 12	C	HI 16/HI 18	ASIAN / WESTERN HISTORY	3		CHIS
NSTP 1	NATIONAL SERVICE TRAINING PROGRAM	3		NP1	NSTP 2	NATIONAL SERVICE TRAINING PROGRAM	3		NP2
PE 3	PHYSICAL EDUCATION	2		PE3	PE 4	PHYSICAL EDUCATION	2		PE4
PS 21.1	COLLEGE PHYSICS I, LABORATORY	2		M	PS 140	ELECTRONICS	5	MA 18A, MA 18B, PS 21, PS 21.1	C
PS 21	COLLEGE PHYSICS I, LECTURE	3		M	SCI 10	SCIENCE AND SOCIETY	3		C
TH 121	AN INTRODUCTION TO DOING A CATHOLIC THEOLOGY	3		C					

THIRD YEAR

Summer Total Units: 6				
Subject Code	Course Title	Units	Prerequisites	Category
F ELEC	FREE ELECTIVE	3		FE1
SA 21	INTRODUCTION TO SOCIOLOGY AND ANTHROPOLOGY	3		C

First Semester Total Units: 18				
Subject Code	Course Title	Units	Prerequisites	Category
CS 123	INTRODUCTION TO SOFTWARE ENGINEERING	3	CS 110	M
CS 152A	COMPUTER ORGANIZATION I	3	PS 141	M
CS 152B	COMPUTER ORGANIZATION II	3	PS 141	M
CS ELECTIVE	~	3		ME1
HI 165	RIZAL AND THE EMERGENCE OF THE PHILIPPINE NATION	3	HI 16/HI 18	C
PH 101	PHILOSOPHY OF THE HUMAN PERSON I	3		C

Second Semester Total Units: 18				
Subject Code	Course Title	Units	Prerequisites	Category
CS 124	OBJECT ORIENTED SOFTWARE DESIGN AND IMPLEMENTATION	3		M
CS 162A	OPERATING SYSTEMS	3		M
CS 162B	SYSTEMS PROGRAMMING	3		M
CS ELECTIVE	~	3		ME2
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

FOURTH YEAR

Summer Total Units: 4				
Subject Code	Course Title	Units	Prerequisites	Category
CS 197A	INTEGRATIVE PROJECT	1		M
CS 199.1	PRACTICUM	3		M

First Semester Total Units: 19				
Subject Code	Course Title	Units	Prerequisites	Category
CS 154	COMPUTER NETWORKS AND DATA COMMUNICATIONS	3	CS 152A	M
CS 197B	INTEGRATIVE PROJECT	1	CS 197A	M
CS ELECTIVE	~	3		ME3
EC 102	BASIC ECONOMICS, AGRARIAN REFORM AND TAXATION	3		C
HI 166	PHILIPPINE HISTORY	3	HI 165	C
PH 103/PH 104	PH 103 / PH 104	3	PH 102	CPH1
TH 141/TH 151	TH 141 / TH 151	3	TH 131	CTH1

Second Semester Total Units: 19				
Subject Code	Course Title	Units	Prerequisites	Category
CS 112	STRUCTURE OF PROGRAMMING LANGUAGES	3	CS 21A	M
CS 130	THEORY OF COMPUTATION	3		M
CS 197C	INTEGRATIVE PROJECT	1	CS 197B	M
F ELEC	FREE ELECTIVE	3		FE2
PH 103/PH 104	PH 103 / PH 104	3	PH 102	CPH2
POS 100	POLITICS AND GOVERNANCE	3		C
TH 141/TH 151	TH 141 / TH 151	3	TH 131	CTH2

FIFTH YEAR

**Summer
Total Units: 6**

Subject Code	Course Title	Units	Prerequisites	Category
CS 179.14A	SPECIAL TOPICS IN MULTIMEDIA: PC AND CONSOLE GAME DEVELOPMENT I	3	CS 21A	M
DGDD 197.1	INTEGRATIVE PROJECT 1	3		M

**First Semester
Total Units: 15**

Subject Code	Course Title	Units	Prerequisites	Category
CS 179.14B	SPECIAL TOPICS IN MULTIMEDIA: PC AND CONSOLE GAME DEVELOPMENT II	3	CS 179.14A	M
DGDD 150	GAME STUDIES	3		M
DGDD 197.2	INTEGRATIVE PROJECT 2	3	DGDD 197.1	M
FA-ID 103.1	DESIGN PRACTICE: BASIC GRAPHIC DESIGN	3		M
M ELEC	MAJOR ELECTIVE	3		ME4

**Second Semester
Total Units: 15**

Subject Code	Course Title	Units	Prerequisites	Category
DGDD 197.3	INTEGRATIVE PROJECT 3	3	DGDD 197.2	M
F ELEC	FREE ELECTIVE	3		FE4
F ELEC	FREE ELECTIVE	3		FE3
M ELEC	MAJOR ELECTIVE	3		ME6
M ELEC	MAJOR ELECTIVE	3		ME5