

Ateneo de Manila University
Loyola Schools

BACHELOR OF SCIENCE IN ELECTRONICS ENGINEERING
(Ver Sem 1, Ver Year 2013)

FIRST YEAR

First Semester			Second Semester		
Subject Code	Course Title	Units	Subject Code	Course Title	Units
CH 1	GENERAL CHEMISTRY, LECTURE	3	ECE 20	ENGINEERING WORKSHOP AND PRACTICES	1
CH 2	GENERAL CHEMISTRY, LABORATORY	1	EN 12	COMMUNICATION IN ENGLISH II	3
EN 11	COMMUNICATION IN ENGLISH I	3	ENGMA 14	DISCRETE MATHEMATICS FOR ENGINEERS	3
FIL 11	SINING NG PAKIKIPAGTALASTASAN SA FILIPINO I	3	FIL 12	SINING NG PAKIKIPAGTALASTASAN SA FILIPINO II	3
INTAC 1	INTRODUCTION TO ATENEO CULTURE	0	INTAC 2	INTRODUCTION TO ATENEO CULTURE	0
LIT 13	INTRODUCTION TO FICTION	3	LIT 14	INTRODUCTION TO POETRY AND DRAMA	3
MA 18A	PRINCIPLES OF MODERN MATHEMATICS I	3	MA 21	MATHEMATICAL ANALYSIS I	6
MA 18B	PRINCIPLES OF MODERN MATHEMATICS II	3	PE 2	PHYSICAL EDUCATION	2
PE 1	PHYSICAL EDUCATION	2			
		21			21

SECOND YEAR

Summer		
Subject Code	Course Title	Units
ECE 11	DRAWING/DRAFTING	1
ENGMA 10	PLANE AND SPHERICAL TRIGONOMETRY/SOLID MENSU	3
ES 10	INTRODUCTION TO ENVIRONMENTAL SCIENCES, LECT	3
		7

First Semester			Second Semester		
Subject Code	Course Title	Units	Subject Code	Course Title	Units
ELC 101.1	INTRODUCTION TO ENGINEERING AND CIRCUITS I, LEC	3	CE 21	INTRODUCTION TO COMPUTING	3
ELC 101.2	INTRODUCTION TO ENGINEERING AND CIRCUITS I, LAB	1	ELC 102.1	ELECTRONICS I, LECTURE	3
ENGSCI 41	ENGINEERING MECHANICS I	3	ELC 102.2	ELECTRONICS I, LABORATORY	1
FIL 14	PANITIKAN NG PILIPINAS	3	ENGSCI 42	ENGINEERING MECHANICS II	2
MA 22	MATHEMATICAL ANALYSIS II	3	FLC	JSP/ CHN/ SP/ FR/ BH/ ITAL/ GR (choose one)	3
NSTP 1	NATIONAL SERVICE TRAINING PROGRAM	3	NSTP 2	NATIONAL SERVICE TRAINING PROGRAM	3
PE 3	PHYSICAL EDUCATION	2	PE 4	PHYSICAL EDUCATION	2
PS 51.1	PHYSICS I, LABORATORY	1	SA 21	INTRODUCTION TO SOCIOLOGY AND ANTHROPOLOGY	3
PS 51	PHYSICS I, LECTURE	3	TH 121	AN INTRODUCTION TO DOING A CATHOLIC THEOLOGY	3
		22			23

THIRD YEAR

Summer		
Subject Code	Course Title	Units
ECE 12	COMPUTER-AIDED DESIGN	1
ENGMA 101	ENGINEERING MATHEMATICS I	3
HI 16/HI 18	ASIAN / WESTERN HISTORY	3
		7

First Semester			Second Semester		
Subject Code	Course Title	Units	Subject Code	Course Title	Units
ELC 111.1	SWITCHING THEORY AND DIGITAL DESIGN, LECTURE	3	ELC 107.1	ELECTRONICS II, LECTURE	3
ELC 111.2	SWITCHING THEORY AND DIGITAL DESIGN, LABORATC	1	ELC 107.2	ELECTRONICS II, LABORATORY	1
ENGMA 102	ENGINEERING MATHEMATICS II	3	ENGPS 171	ELECTROMAGNETICS THEORY AND APPLICATIONS I	3
ENGSCI 43	THERMODYNAMICS	2	HI 165	RIZAL AND THE EMERGENCE OF THE PHILIPPINE NATION	3
PH 101	PHILOSOPHY OF THE HUMAN PERSON I	3	PH 102	PHILOSOPHY OF THE HUMAN PERSON II	3
PS 52.1	PHYSICS II, LABORATORY	1	TCOM 121.1	PRINCIPLES OF COMMUNICATIONS I, LECTURE	3
PS 52	PHYSICS II, LECTURE	3	TCOM 121.2	PRINCIPLES OF COMMUNICATIONS I, LABORATORY	1
TH 131	MARRIAGE, FAMILY LIFE AND HUMAN SEXUALITY IN A C	3			
		19			17

FOURTH YEAR

Summer		
Subject Code	Course Title	Units
ECE 150	MATERIAL SCIENCE AND ENGINEERING	3
ENGMA 103	ENGINEERING MATHEMATICS III	3
		6

First Semester			Second Semester		
Subject Code	Course Title	Units	Subject Code	Course Title	Units
ECE 161	ENGINEERING MANAGEMENT	2	ELC 106.1	CIRCUITS II, LECTURE	3
PH 103/PH 104	PH 103 / PH 104	3	ELC 141.1	MICROPROCESSOR SYSTEMS, LECTURE	3
POS 100	POLITICS AND GOVERNANCE	3	ELC 141.2	MICROPROCESSOR SYSTEMS, LABORATORY	1
TCOM 122.1	PRINCIPLES OF COMMUNICATIONS II, LECTURE	3	HI 166	PHILIPPINE HISTORY	3
TCOM 122.2	PRINCIPLES OF COMMUNICATIONS II, LABORATORY	1	PH 103/PH 104	PH 103 / PH 104	3
TCOM 141.1	DATA COMMUNICATIONS AND NETWORKING	3	PSY 101	GENERAL PSYCHOLOGY	3
TCOM 141.2	DATA COMMUNICATIONS AND NETWORKING	1	TH 141/TH 151	TH 141 / TH 151	3
TH 141/TH 151	TH 141 / TH 151	3			
		19			19

FIFTH YEAR

Summer		
Subject Code	Course Title	Units
ECE 190.1/CIE	PRACTICUM/OJT	3
		3

First Semester			Second Semester		
Subject Code	Course Title	Units	Subject Code	Course Title	Units
ECCE 191	THESIS I	2	CE 33	NUMERICAL METHODS	4
ECE 163	FIELD TRIPS, SEMINARS	1	ECCE 192	THESIS II	2
ELC 106.2	CIRCUITS II, LABORATORY	1	ECE 160	ENGINEERING ECONOMY	3
ELC 151.1	LINEAR AND CONTROL SYSTEMS, LECTURE	3	ECE 162	ENGINEERING LAWS, CONTRACTS AND ETHICS	2
ELC 151.2	LINEAR AND CONTROL SYSTEMS, LABORATORY	1	ENGSCI 45	ENERGY CONVERSION AND SYSTEMS	4
ELC 152.1	DIGITAL SIGNAL PROCESSING, LECTURE	3	F ELEC	FREE ELECTIVE	3
ELC 152.2	DIGITAL SIGNAL PROCESSING, LABORATORY	1	M ELEC	MAJOR ELECTIVE	3
ELC 181.2	INDUSTRIAL ELECTRONICS	4	TCOM 150.1	TRANSMISSION MEDIA AND ANTENNA SYSTEMS, LECT	3
ENGMA 104	ADVANCED ENGINEERING MATHEMATICS	3	TCOM 150.2	TRANSMISSION MEDIA AND ANTENNA SYSTEMS, LABO	1
ENGSCI 44	MECHANICS OF DEFORMABLE BODIES	3			
F ELEC	FREE ELECTIVE	3			
		25			25

TOTAL NUMBER OF UNITS 234