

BACHELOR OF SCIENCE IN APPLIED PHYSICS WITH MATERIALS SCIENCE AND ENGINEERING
Revised Curriculum, Effective Freshman Batch, First Semester, SY 2011-2012

FIRST YEAR			
<u>FIRST SEMESTER</u>		UNITS	UNITS
CE 21	Introduction to Computing	3	
EN 11	Communication in English I	3	
FIL 11	Sining ng Pakikipagtalastasan sa Filipino I	3	
LIT 13	Introduction to Fiction	3	
MA 18A	Principles of Modern Mathematics I	3	
MA 18B	Principles of Modern Mathematics II	3	
PE 1	Physical Education	(2)	
INTAC 1	Introduction to Ateneo Culture	(0)	
		<u>18</u>	19 37
SECOND YEAR			
<u>SUMMER</u>		UNITS	UNITS
PSY 101	General Psychology	3	
FLC	JSP/CHN/SP/FR/BH/ITAL/GR (Choose One)	<u>3</u>	
		6	6
<u>FIRST SEMESTER</u>		UNITS	UNITS
CH 7	General Chemistry I, Lecture	3	
CH 8	General Chemistry I, Laboratory	2	
MA 22	Mathematical Analysis II	3	
SA 21	Introduction to Sociology and Anthropology	3	
TH 121	An Introduction to Doing a Catholic Theology	3	
PS 52	Physics II, Lecture	3	
PS 52.1	Physics II, Laboratory	1	
PE 3	Physical Education	(2)	
NSTP 1	National Service Training Program	<u>(3)</u>	
		18	18 36
THIRD YEAR			
<u>SUMMER</u>		UNITS	UNITS
EC 102	Basic Economics, Agrarian Reform and Taxation	3	
HI 16/HI 18	Asian/Western History	3	
ECE 12	Computer-Aided Design	<u>1</u>	
		7	7
<u>FIRST SEMESTER</u>		UNITS	UNITS
PH 101	Philosophy of the Human Person I	3	
TH 131	Marriage, Family Life and Human Sexuality in a Catholic Perspective	3	
MSE 101	Principles of Materials Science and Engineering I	3	
PS 54	Physics IV, Lecture	3	
PS 54.1	Physics IV, Laboratory	1	
PS 128	Physical Mathematics III	3	
PS 129	Physical Mathematics IV	<u>3</u>	
		19	19 38
FOURTH YEAR			
<u>SUMMER</u>		UNITS	UNITS
ECE 20	Basic Workshop Practices	1	
MSE 121	Polymeric Materials, Lecture	3	
MSE 122	Polymeric Materials, Laboratory	1	
MSE 161	Engineering Management	<u>2</u>	
		7	7
<u>FIRST SEMESTER</u>		UNITS	UNITS
POS 100	Politics and Governance	3	
PH 103	Philosophy of Religion	3	
TH 141	Theology of the Catholic Social Vision	3	
MSE 106.1	Materials and Testing Laboratory I	3	
PS 172	Electromagnetic Energy Transfer	3	
PS 197	Introduction to Quantum Mechanics I	3	
PS 199.5	Undergraduate Thesis I	<u>1</u>	
		19	18 37
FIFTH YEAR			
<u>SUMMER</u>		UNITS	UNITS
MSE ELECT/OJT	MSE Elective/OJT	3	
PS 199.7	Undergraduate Thesis III	<u>2</u>	
		5	5
<u>FIRST SEMESTER</u>		UNITS	UNITS
HI 166	Philippine History	3	
MSE 111	Metallic Materials	3	
MSE 141	Electronic Materials	3	
MSE 151	Engineering Composites	3	
MSE 160	Innovation and Technology	3	
MSE 199.1	Materials Research Project I	3	
PS 199.8	Undergraduate Thesis IV	<u>1</u>	
		19	31
<u>SECOND SEMESTER</u>		UNITS	UNITS
EN 12	Communication in English II	3	
FIL 12	Sining ng Pakikipagtalastasan sa Filipino II	3	
LIT 14	Introduction to Poetry and Drama	3	
MA 21	Mathematical Analysis I	6	
PS 51	Physics I, Lecture	3	
PS 51.1	Physics I, Laboratory	1	
PE 2	Physical Education	(2)	
INTAC 2	Introduction to Ateneo Culture	<u>(0)</u>	
		19	37
<u>SECOND SEMESTER</u>		UNITS	UNITS
CH 21	Survey of Organic Chemistry, Lecture	3	
CH 22.2	Survey of Organic Chemistry, Laboratory	2	
FIL 14	Panitikan ng Pilipinas	3	
PS 53	Physics III, Lecture	3	
PS 53.1	Physics III, Laboratory	1	
PS 126	Physical Mathematics I	3	
PS 127	Physical Mathematics II	3	
PE 4	Physical Education	(2)	
NSTP 2	National Service Training Program	<u>(3)</u>	
		18	36
<u>SECOND SEMESTER</u>		UNITS	UNITS
HI 165	Rizal and the Emergence of the Philippine Nation	3	
PH 102	Philosophy of the Human Person II	3	
MSE 102	Principles of Materials Science and Engineering II	3	
PS 101	Classical Mechanics I	3	
PS 146	Physical Electronics, Lecture	3	
PS 146.1	Physical Electronics, Laboratory	1	
PS 171	Electromagnetics	<u>3</u>	
		19	38

TOTAL UNITS: 204