

BACHELOR OF SCIENCE IN APPLIED PHYSICS (INSTRUMENTATION TRACK)
Revised Curriculum, Effective Freshman Batch, First Semester, SY 2011-2012

FIRST YEAR

<u>FIRST SEMESTER</u>		UNITS	<u>SECOND SEMESTER</u>		UNITS
CE 21	Introduction to Computing	3	EN 12	Communication in English II	3
EN 11	Communication in English I	3	FIL 12	Sining ng Pakikipagtalastasan sa Filipino II	3
FIL 11	Sining ng Pakikipagtalastasan sa Filipino I	3	LIT 14	Introduction to Poetry and Drama	3
LIT 13	Introduction to Fiction	3	MA 21	Mathematical Analysis I	6
MA 18A	Principles of Modern Mathematics I	3	PS 51	Physics I, Lecture	3
MA 18B	Principles of Modern Mathematics II	3	PS 51.1	Physics I, Laboratory	1
PE 1	Physical Education	(2)	PE 2	Physical Education	(2)
INTAC 1	Introduction to Ateneo Culture	(0)	INTAC 2	Introduction to Ateneo Culture	(0)
		<u>18</u>			<u>19</u> 37

SECOND YEAR

<u>FIRST SEMESTER</u>		UNITS	<u>SECOND SEMESTER</u>		UNITS
CH 7	General Chemistry I, Lecture	3	BI 15	General Biology, Lecture	3
CH 8	General Chemistry I, Laboratory	2	BI 15.1	General Biology, Laboratory	2
MA 22	Mathematical Analysis II	3	FIL 14	Panitikan ng Pilipinas	3
PS 52	Physics II, Lecture	3	PS 53	Physics III, Lecture	3
PS 52.1	Physics II, Laboratory	1	PS 53.1	Physics III, Laboratory	1
SA 21	Introduction to Sociology and Anthropology	3	PS 126	Physical Mathematics I	3
TH 121	An Introduction to Doing a Catholic Theology	3	PS 127	Physical Mathematics II	3
PE 3	Physical Education	(2)	PE 4	Physical Education	(2)
NSTP 1	National Service Training Program	(3)	NSTP 2	National Service Training Program	(3)
		<u>18</u>			<u>18</u> 36

THIRD YEAR

<u>FIRST SEMESTER</u>		UNITS	<u>SECOND SEMESTER</u>		UNITS
CE 22	Introduction to Data Structures	3	CE 30	Algorithms and Problem Solving	3
FLC	JSP/CHN/SP/FR/BH/ITAL/GR (Choose One)	3	EC 102	Basic Economics, Agrarian Reform and Taxation	3
PSY 101	General Psychology	3	HI 16/HI 18	Asian/Western History	3
PS 54	Physics IV, Lecture	3	PS 101	Classical Mechnaics I	3
PS 54.1	Physics IV, Laboratory	1	PS 171	Electromagnatics	3
PS 128	Physical Mathematics III	3	PS 146	Physical Electronics, Lecture	3
PS 129	Physical Mathematics IV	3	PS 146.1	Physical Electronics, Laboratory	1
		<u>19</u>			<u>19</u> 38

FOURTH YEAR

<u>FIRST SEMESTER</u>		UNITS	<u>SECOND SEMESTER</u>		UNITS
PH 101	Philosophy of the Human Person I	3	ECE 12	Computer-Aided Design	1
POS 100	Politics and Government	3	ELC 111.1	Switching Theory and Digital Design, Lecture	3
TH 131	Marriage, Family Life and Human Sexuality in a Catholic Perspective	3	ELC 111.2	Switching Theory and Digital Design, Laboratory	1
PS 147	Advanced Electronics, Lecture	3	PH 102	Philosphy of the Human Person II	3
PS 147.1	Advanced Electronics, Laboratory	1	ELECTIVE	Free Elective	3
PS 172	Electromagnetic Energy Transfer	3	PS 113	Intro. To Thermodynamics and Stat. Mech.	3
PS 197	Introduction to Quantum Mechanics I	3	PS 130	Computational Physics, Lecture	3
PS 199.5	Undergraduate Thesis I	1	PS 130.1	Computational Physics, Laboratory	1
		<u>20</u>	PS 199.6	Undergraduate Thesis II	2
					<u>20</u> 40

FIFTH YEAR

<u>SUMMER</u>		UNITS			UNITS
PS SP/OJT	Physics Specialization Course or OJT **	3			
		<u>3</u>			3
<u>FIRST SEMESTER</u>		UNITS	<u>SECOND SEMESTER</u>		UNITS
HI 165	Rizal and the Emergence of the Philippine Nation	3	HI 166	Philippine History	3
PH 103	Philosophy of Religion	3	PH 104	Foundation of Moral Values	3
TH 141	Theology of the Catholic Social Vision	3	TH 151	The Catholic Commitment of Today's Filipino	3
PS SP	Physics Specialization Course	3	ELECTIVE	Free Elective	3
PS 199.7	Undergraduate Thesis III	2	PS SP	Physics Specialization Course	3
		<u>14</u>	PS 199.8	Undergraduate Thesis IV	1
					<u>16</u> 30

TOTAL UNITS: 184

** The student has the option of either taking an OJT (On-The-Job Training) during the Summer or enrolling in a Physics Specialization Course during the First Semester of the 5th year.