

BACHELOR OF SCIENCE IN APPLIED PHYSICS					
FIRST YEAR					
FIRST SEMESTER		SECOND SEMESTER		MIDYEAR	
PHYS 101. Newtonian Mechanics	4	PHYS 102. Electromagnetism	4		
CHEM 18. University Chemistry	3	PHYS 111. Mathematical Methods of Physics I	4		
CHEM 18.1. University Chemistry Laboratory	2	MATH 28. Analytic Geometry and Calculus III	3		
MATH 27. Analytic Geometry and Calculus II	3	COMA 150. Workplace Communication	3		
ARTS 1. Critical Perspectives in the Arts	3	GE Elective	3		
KAS 1/HIST 1. Kasaysayan ng Pilipinas/Philippine History	3	HK 12/13. Human Kinetics Activities/Advanced Human Kinetics Activities	(2)		
HK 11. Wellness and Basic Injury Management	(2)		17		
	18				
SECOND YEAR					
FIRST SEMESTER		SECOND SEMESTER		MIDYEAR	
APHY 10.1. Programming in Physics	1	PHYS 104. Modern Physics	4		
APHY 101. Physics in Scientific Instruments	3	PHYS 113. Mathematical Methods of Physics III	4		
PHYS 103. Mechanical Waves, Optics, and Thermody	4	PHYS 121. Theoretical Mechanics I	3		
PHYS 112. Mathematical Methods of Physics II	4	PHYS 131. Electromagnetic Theory I	3		
ETHICS 1. Ethics and Moral Reasoning in Everyday Life	3	GE Elective	3		
GE Elective	3	HK 12/13. Human Kinetics Activities/Advanced Human Kinetics Activities	(2)		
HK 12/13. Human Kinetics Activities/Advanced Human Kinetics Activities	(2)	NSTP 2. National Training Service Program II	(3)		
NSTP 1. National Training Service Program I	(3)		17		
	18				
THIRD YEAR					
FIRST SEMESTER		SECOND SEMESTER		MIDYEAR	
APHY 102. Physics of Electronic Devices	3	PHYS 141. Quantum Physics I	3	APHY 198. Practicum	3
PHYS 115. Computational Physics	4	PHYS 151. Statistical Physics I	3		3
PHYS 122. Theoretical Mechanics II	3	PHYS 165. Optical Physics	3		
PHYS 132. Electromagnetic Theory II	3	PHYS 195. Research Methods in Physics	3		
PHYS 192.1. Experimental Physics I	2	COMM 10. Critical Perspectives in Communication	3		
PI 10. The Life and Works of Jose Rizal	3	Elective (APHY/PHYS)	3		
	18		18		
FOURTH YEAR					
FIRST SEMESTER		SECOND SEMESTER		MIDYEAR	
APHY 200. Undergraduate Thesis	3	APHY 191. Special Topics	3		
PHYS 142. Quantum Physics II	3	APHY 199. Undergraduate Seminar	1		
Elective (APHY/PHYS)	3	APHY 200. Undergraduate Thesis	3		
Elective (APHY/PHYS)	3	STS 1. Science, Technology, and Society	3		
Elective (APHY/PHYS)	3	Elective (APHY/PHYS)	3		
Elective	3	Elective	3		
	18		16		

**TOTAL UNITS**

**143**

BACHELOR OF SCIENCE IN APPLIED PHYSICS					
Redesigned curriculum for remote learning from First Semester 2020-2021 to present					
FIRST YEAR					
FIRST SEMESTER		SECOND SEMESTER		MIDYEAR	
PHYS 101. Newtonian Mechanics	4	PHYS 102. Electromagnetism	4		
CHEM 18. University Chemistry	3	PHYS 111. Mathematical Methods of Physics I	4		
MATH 27. Analytic Geometry and Calculus II	3	MATH 28. Analytic Geometry and Calculus III	3		
ARTS 1. Critical Perspectives in the Arts	3	COMA 150. Workplace Communication	3		
KAS 1/HIST 1. Kasaysayan ng Pilipinas/Philippine History	3	CHEM 18.1. University Chemistry Laboratory	2		
HK 11. Wellness and Basic Injury Management	(2)	GE Elective	3		
	<b>16</b>	HK 12/13. Human Kinetics Activities/Advanced Human Kinetics Activities	(2)		
			<b>19</b>		
SECOND YEAR					
FIRST SEMESTER		SECOND SEMESTER		MIDYEAR	
APHY 10.1. Programming in Physics	1	APHY 101. Physics in Scientific Instruments	3		
PHYS 103. Mechanical Waves, Optics, and Thermody	4	PHYS 104. Modern Physics	4		
PHYS 112. Mathematical Methods of Physics II	4	PHYS 113. Mathematical Methods of Physics III	4		
PHYS 121. Theoretical Mechanics I	3	PHYS 131. Electromagnetic Theory I	3		
ETHICS 1. Ethics and Moral Reasoning in Everyday Life	3	GE Elective	3		
GE Elective	3	HK 12/13. Human Kinetics Activities/Advanced Human Kinetics Activities	(2)		
HK 12/13. Human Kinetics Activities/Advanced Human Kinetics Activities	(2)	NSTP 2. National Training Service Program II	(3)		
NSTP 1. National Training Service Program I	(3)		<b>17</b>		
	<b>18</b>				
THIRD YEAR					
FIRST SEMESTER		SECOND SEMESTER		MIDYEAR	
PHYS 115. Computational Physics	4	APHY 102. Physics of Electronic Devices	3	APHY 198. Practicum	3
PHYS 122. Theoretical Mechanics II	3	PHYS 151. Statistical Physics I	3		<b>3</b>
PHYS 132. Electromagnetic Theory II	3	PHYS 165. Optical Physics	3		
PHYS 141. Quantum Physics I	3	PHYS 192.1. Experimental Physics I	2		
PHYS 195. Research Methods in Physics	3	COMM 10. Critical Perspectives in Communication	3		
PI 10. The Life and Works of Jose Rizal	3	Elective (APHY/PHYS)	3		
	<b>19</b>		<b>17</b>		
FOURTH YEAR					
FIRST SEMESTER		SECOND SEMESTER		MIDYEAR	
APHY 200. Undergraduate Thesis	3	APHY 191. Special Topics	3		
PHYS 142. Quantum Physics II	3	APHY 199. Undergraduate Seminar	1		
Elective (APHY/PHYS)	3	APHY 200. Undergraduate Thesis	3		
Elective (APHY/PHYS)	3	STS 1. Science, Technology, and Society	3		
Elective (APHY/PHYS)	3	Elective (APHY/PHYS)	3		
Elective	3	Elective	3		
	<b>18</b>		<b>16</b>		

**TOTAL UNITS**

**143**