



**BACHELOR OF SCIENCE IN PHYSICS**  
 Effective A.Y. 2018 – 2019  
 Based on CMO. No. 20, s. 2007 and PSG for BS Physics

1 <sup>st</sup> Semester		FIRST YEAR		2 <sup>nd</sup> Semester	
		UNITS			
___ GE 4	Mathematics in the Modern World	3	___ GE 1	Understanding the Self	3
___ GE 10	Wikang Filipino	3	___ Phys 102a	University Physics II (Lecture)	3
___ Phys 101a	University Physics I (Lecture)	3	___ Phys 102b	University Physics II (Laboratory)	1
___ Phys 101b	University Physics I (Laboratory)	1	___ Phys 105a	Computational Physics II (Lecture)	3
___ Phys 104a	Computational Physics I (Lecture)	3	___ Phys 105b	Computational Physics II (Laboratory)	1
___ Phys 104b	Computational Physics I (Laboratory)	1	___ Calc 2	Calculus II	4
___ Calc 1	Calculus I	4	___ MathPhys 101	Mathematical Physics I	3
___ PE 1	Physical Education I	2	___ PE 2	Physical Education II	2
___ NSTP 1	National Service Training Program I	(3)	___ NSTP 2	National Service Training Program II	(3)
<b>TOTAL</b>		<b>23</b>	<b>TOTAL</b>		<b>23</b>

1 <sup>st</sup> Semester		SECOND YEAR		2 <sup>nd</sup> Semester	
		UNITS			
___ GE 11	Panitikan ng Pilipinas	3	___ GE 5	Purposive Communication	3
___ GE 12	Logic	3	___ GE 3	Contemporary World	3
___ Phys 103a	University Physics III (Lecture)	3	___ Phys 107a	Computational Physics IV (Lecture)	3
___ Phys 103b	University Physics III (Laboratory)	1	___ Phys 107b	Computational Physics IV (Laboratory)	1
___ Phys 106a	Computational Physics III (Lecture)	3	___ MathPhys 103	Mathematical Physics III	3
___ Phys 106b	Computational Physics III (Laboratory)	1	___ Phys 108	Modern Physics	3
___ MathPhys 102	Mathematical Physics II	3	___ Phys 109	Theoretical Mechanics I	3
___ Calc 3	Calculus III	4	___ PE 4	Physical Education IV	2
___ PE 3	Physical Education III	(2)	<b>TOTAL</b>		<b>21</b>
<b>TOTAL</b>		<b>23</b>	<b>TOTAL</b>		<b>21</b>

1 <sup>st</sup> Semester		THIRD YEAR		2 <sup>nd</sup> Semester	
		UNITS			
___ GE 7	Science, Technology, and Society	3	___ GE 6	Art Appreciation	3
___ GE 8	Ethics	3	___ FreeElec 2	Free Elective II	3
___ FreeElec 1	Free Elective	3	___ Phys 112	Quantum Mechanics II	3
___ Phys 110	Theoretical Mechanics II	3	___ Phys 114	Electromagnetism II	3
___ Phys 111	Quantum Mechanics I	3	___ Phys 115	Advanced Laboratory	3
___ Phys 113	Electromagnetism I	3	___ Phys 116a	Electronics (Lecture)	3
___ PhysElec 1	Physics Elective	3	___ Phys 116b	Electronics (Laboratory)	1
<b>TOTAL</b>		<b>21</b>	___ PhysElec 2	Physics Elective	3
<b>TOTAL</b>		<b>21</b>	<b>TOTAL</b>		<b>22</b>

THIRD YEAR, SUMMER		UNITS	
___ Internship		3	
<b>TOTAL</b>		<b>3</b>	

1 <sup>st</sup> Semester		FOURTH YEAR		2 <sup>nd</sup> Semester	
		UNITS			
___ GE 2	Readings in Philippine History	3	___ GE 9	Life and Works of Rizal	3
___ Phys 117	Optics	3	___ Phys 120	Physics Research II	3
___ Phys 118	Statistical Mechanics	3	___ PhysElec 4	Physics Elective	3
___ Phys 119	Physics Research I	3	___ Phys 121	Solid State Physics	3
___ PhysElec 3	Physics Elective (Complex Systems)	3	<b>TOTAL</b>		<b>12</b>
<b>TOTAL</b>		<b>15</b>	<b>TOTAL</b>		<b>12</b>

SUMMARY	
I. General Education Courses:	
a. Core Courses	24 units
b. GE Elective Courses	9 units
c. Life and Works of Rizal	3 units
II. PE and NSTP 1 and 2	14 units
III. Mathematics and Mathematical Physics	21 units
IV. Physics Core Courses	65 units
V. Physics Electives	12 units
VI. Free Electives	6 units
VII. Special Projects/Physics Research/Thesis/OJT	9 units
<b>TOTAL UNITS:</b>	<b>163 units</b>
CMO. 20 s. 2007 and PSG for BS Physics	
* Course Code = number assigned to the subject i.e. GE 1	
** Descriptive Title = the title to the subject that identifies it from all the other subjects	
*** Units = prescribed number of units for the lecture and the laboratory component of the subject offered in the semester	
**** Pre-requisite subject = subjects that the student had to enroll prior to being allowed to enroll in the current subject offering; the subject/s had to be enrolled in the previous semester prior to current enrolment	
***** Total = total number of units in the semester	
***** One unit laboratory is equivalent to 3 laboratory contact hours per week.	

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 For verification of the certificate please access  
[www.ucas.ac.uk/certification-check-and-trace](http://www.ucas.ac.uk/certification-check-and-trace)

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