



**SILLIMAN UNIVERSITY**  
**DUMAGUETE CITY**

**School/College: College of Arts and Sciences**  
**Program Name: Bachelor of Science in Physics**

**FIRST YEAR**

First Semester						Second Semester					
Subjects	Course Title	Lec	Lab	Units	Pre-req.	Subjects	Course Title	Lec	Lab	Units	Pre-req.
CHS 1	Reading and Interpreting Hebrew Scriptures	3		3		CHS 2	Reading and Interpreting Christian Scriptures	3		3	CHS 1
GE 1	Understanding the Self	3		3		GE 6	Art Appreciation	3		3	
GE 2	Reading in the Philippine History	3		3		GE 7	Science, Technology and Society	3		3	
GE 3	The Contemporary World	3		3		GE 8	Ethics	3		3	
GE 4	Mathematics in the Modern World	3		3		GE 9	The Life and Works of Jose Rizal	3		3	
GE 5	Purposive Communication	3		3		GE 10	Whole Person Education	3		3	
Math 23	Calculus 1	5		5		Math 24	Calculus 2	5		5	Math 23
NSTP 1	National Service Training Program	3		3		NSTP 2	National Service Training Program	3		3	NSTP 1
PE 1	Physical Fitness & Swimming	2		2		PE 2	Physical Education	2		2	
PEP 1	Personal Enhancement Program	NC		NC		PEP 2	Personal Enhancement Program	NC		NC	
	<b>Total</b>			<b>28</b>			<b>Total</b>				<b>28</b>

**SECOND YEAR**

First Semester						Second Semester					
Subjects	Course Title	Lec	Lab	Units	Pre-req.	Subjects	Course Title	Lec	Lab	Units	Pre-req.
GE 11C	Climate Change: Effects on People & Ecosystem	3		3		CHS 3 / GE 12	Ethics of the Christian Faith	3		3	CHS 2
Math 31	Calculus 3	5		5	Math 24	Phys 2	Selected topics in Electricity, Optics & Modern Physics	3	1	4	Phys 1
Phys 1	Selected topics in Mechanics, Acoustic & Thermodynamics	3	1	4	Math 24	Phys 4	Computational Physics 2	3		3	Phys 3
Phys 3	Computational Physics 1	3		3		Phys 6	Geophysics	4	1	5	
Phys 5	Basic Meteorology	4	1	5		Phys 8	Biophysics	4	1	5	
Phys 7	Basic Astronomy	4	1	5		PE 4	Physical Education	2		2	
PE 3	Physical Education	2		2							
	<b>Total</b>			<b>27</b>			<b>Total</b>				<b>22</b>

**THIRD YEAR**

First Semester						Second Semester					
Subjects	Course Title	Lec	Lab	Units	Pre-req.	Subjects	Course Title	Lec	Lab	Units	Pre-req.
Math 33B	Differential Equations	3		3	Math 31	Phys 10	Mathematical Physics 2	6		6	Phys 9
Phys 9	Mathematical Physics 1	6		6		Phys 12	Theoretical Mechanics 2	3		3	Phys 11
Phys 11	Theoretical Mechanics 1	3		3		Phys 14	Special Topics	3		3	
Phys 13	Optics	4	1	5		Phys 16	Micro Electronics	4	1	5	
Phys 15	Fundamentals of Scientific Report	2		2	Phys 4	Phys 18	Electromagnetic Theory 2	3	1	4	Phys 17
Phys 17	Electromagnetic Theory 1	3	1	4		Phys 20	Computer & Data Handling	3		3	Phys 19
Phys 19	Computer Interfacing	4		4	Phys 4						
	<b>Total</b>			<b>27</b>			<b>Total</b>				<b>24</b>

**FOURTH YEAR**

First Semester						Second Semester					
Subjects	Course Title	Lec	Lab	Units	Pre-req.	Subjects	Course Title	Lec	Lab	Units	Pre-req.
Phys 21	Modern Physics 1	3	1	4		Phys 22	Modern Physics 2	3	1	4	Phys 21
Phys 23	Quantum Mechanics 1	3		3		Phys 24	Quantum Mechanics 2	3		3	Phys 23
Phys 25	Statistical Physics	4	1	5		Phys 26	Experimental Physics 2	1	2	3	Phys 27
Phys 27	Experimental Physics 1	1	2	3		Phys 28	Undergraduate Seminar	1		1	
Phys 29	Undergraduate Research	1	2	3	Senior Standing	Phys 30	Undergraduate Thesis	1	2	3	Phys 29
	<b>Total</b>			<b>18</b>			<b>Total</b>				<b>14</b>

<b>SUMMARY</b>	
<b>GE Subjects</b>	33
<b>Major Subjects</b>	107
<b>Major Electives</b>	
<b>Cognate Subjects</b>	18
<b>Seminar/Practicum/Thesis/OJT</b>	7
<b>NSTP</b>	6
<b>PE</b>	8
<b>Institutional Required Subjects</b>	9
<b>Total</b>	188

**Remarks:**

1. As of the date of the submission of this revised BS Physics curriculum to the CAS Dean's office, there is still no CHED CMO pertaining to the BS Physics curriculum.
2. Almost all of the major courses are similar to that of the BS Physics program at the National Institute of Physics of UP Diliman.
3. The over-all total number of units of this revised curriculum is equal with the existing curriculum. This is inclusive of all the mandated CHED GE courses and the SU institutional required courses.

**Note: Admission requirements; All strands will be accepted/admitted**

<b>Enhancement (For Non-STEAM Senior High graduate)</b>				
<b>Subjects</b>	<b>Course Title</b>	<b>Lec</b>	<b>Lab</b>	<b>Units</b>
Phys 00	Augmentation	5	1	6
Math 00	Math Analysis (ALA)	5		5
Chem 13	Augmentation Chemistry	3	2	5
Gen.Bio. (ALA)	Augmentation	3	2	5

**Admission Requirements/Policy for incoming 1<sup>st</sup> year:**

The Physics Department observes the Open Admission, Selective Retention Policy in its curricular offering.