



SILLIMAN UNIVERSITY  
DUMAGUETE CITY

School/College: **College of Arts and Sciences**

Program Name: **Bachelor of Science in Geology**

(Per CMO No. 35 s. 2008 in conformity with UP-NIGS curriculum 2018) effective S.Y. 2022-2023

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
Chem 23	Inorganic Chemistry with Qualitative Analysis	3	2	5		Chem 24	Quantitative Geochemical Analysis	3	2	5	Chem 23
Draw 11R	Engineering Drawing		1	1		GE 2	Reading in Philippine History	3		3	
GE 1	Understanding the Self	3		3		Geol 12	Field Geology 1		2	2	Geol 11, Draw 11R
Geol 11	Principles of Geology	2	1	3		Math 24	Calculus 2	5		5	Math 23
Math 23	Calculus 1	5		5		NSTP 2	National Service Training Program	3		3	
NSTP 1	National Service Training Program	3		3		PE 2	Physical Education	2		2	
PE 1	Physical Fitness & Swimming	2		2		PEP 2	Personal Enhancement Program	NC		NC	
PEP 1	Personal Enhancement Program	NC		NC			Total			23	
	Total			25							

SECOND YEAR

First Semester						Second Semester					
Subjects	Course Title	Lec	Lab	Units	Pre-req.	Subjects	Course Title	Lec	Lab	Units	Pre-req.
Bio 15	General Biology with Emphasis in Ecology	3	1	4		GE 4	Mathematics in the Modern World	3		3	
GE 5	Purposive Communication	3		3		GE 6	Art Appreciation	3		3	
GE 7	Science, Technology and Society	3		3		GE 10A	Whole Person Education	3		3	
GE 12/ CHS 3	Ethics of the Christian Faith	3		3	CHS 2	Geol 22	Principles of Geomorphology	3	1	4	Geol 12
Geol 21	Mineralogy	3	1	4	Geol 12, Chem 24	Geol 24	Petrology	3	2	5	Geol 21
Phys 1	Selected topics in Mechanics, Acoustic & Thermodynamics	3	1	4	Math 24	Phys 2	Selected topics in Electricity, Optics & Modern Physics	3	1	4	Phys 1
PE 3	Physical Education	2		2		PE 4	Physical Education	2		2	
	Total			23			Total			24	

THIRD YEAR

First Semester						Second Semester					
Subjects	Course Title	Lec	Lab	Units	Pre-req.	Subjects	Course Title	Lec	Lab	Units	Pre-req.
CE 21	Surveying Method	2	1	3	Draw 11R	GE 8	Ethics	3		3	
GE 3	The Contemporary World	3		3		Geol 28	Paleontology	2	1	3	Geol 31, 33
Geol 31	Sedimentology	2	1	3	Geol 12, 24	Geol 30	Optical Mineralogy and Petrography	3	2	5	Phys 13, Geol 24
Geol 33	Structural Geology and Tectonics	2	1	3	Draw 11R, Geol 22	Geol 32	Geochemistry	2	1	3	Geol 24, Phys 1
Geol 35	Computer Methods in Geology	2	1	3	(50% of BS Geol completed)	Geol 34	Geology of the Philippines and Southeast Asia	2	1	3	Geol 31, 33
Phys 13	Optics	4	1	5	Phys 2	Geol 36	Stratigraphy and Earth History	2	1	3	Phys 1, Geol 31
	Total			20		Geol 38	Principles of Seismology and Volcanology	2	1	3	Phys 1, Geol 33
							Total			23	

MID-YEAR

Subjects	Course Title	Lec	Lab	Units	Pre-req.
Geol 40	Field Geology 2	3		3	3 <sup>rd</sup> year standing

FOURTH YEAR

First Semester						Second Semester					
Subjects	Course Title	Lec	Lab	Units	Pre-req.	Subjects	Course Title	Lec	Lab	Units	Pre-req.
GE 9	The Life and Works of Jose Rizal	3		3		GE 11C	Climate Change: Effects on People and Ecosystem	3		3	
Geol 41	Resource Geology	3		3	Geol 31, 33	Geol 42	Laws, Policies and Ethics in Geology	3		3	Geol 43, 45
Geol 43	Non-metalliferous and Metalliferous Ore Deposits**	2	1	3	Geol 30, 32	Geol 44	Geophysics	2	1	3	Phys 13, Geol 41, 43
Geol 45	Applied Engineering Geology	3		3	Senior Standing	Geol 46	Environmental Geology and Geohazards	3		3	Senior Standing
Geol 47	Geostatistics	3		3	Senior Standing	Geol 48	Seminar in Geology		2	2	Senior Standing
Geol 49	Thesis Proposal	1		1	Senior Standing	Geol 50	Thesis Writing & Defense		2	2	Geol 49
	Total			16			Total			16	

SUMMARY	
GE Courses	33
Required Geology Courses	50
Geology & Non-Geology Electives	23
Other Science and Math Courses	37
Required Non-Geology Courses	4
Thesis Writing	3
Total	*150

\*Excluding Christian Studies, Physical Education and National Service Training Program

**Admission Requirements**

- For Senior High School STEM/STEAM graduates, no grade below 80 in Math, Physics and Chemistry.
- For NON-STEM/STEAM SHS graduates, General Average must not below 80 and should take and pass the Augmentation subjects with SATISFACTORY ratings in:

Enhancement (For NON-STEM/STEAM Senior High graduate)				
Subjects	Course Title	Lec	Lab	Units
Chem 13	Augmentation Chemistry	3	2	5
Math 00	Math Augmentation	5		5
Phys 00	Physics Augmentation	5	1	6

- FOR TRANSFEREES AND SHIFTEES: Submit an electronic certified true copy of their transcript of records to [physics\\_admission@su.edu.ph](mailto:physics_admission@su.edu.ph). The Physics Department may ask for other documents if necessary for evaluation.

**Note:** To remain in the program, the continuing student must not have a grade below 2.0 in Physics, Math and Major subjects.

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