



**BACHELOR OF SCIENCE IN GEOLOGY**  
**UNIVERSITY OF THE PHILIPPINES DILIMAN**

**National Institute of Geological Sciences, College of Science**

UC Approval:

149th UPD UC : 19 June 2018

Date of effectivity:

1<sup>st</sup> Semester of AY 2018-2019

FIRST YEAR								
1 <sup>st</sup> Semester			17	units	2 <sup>nd</sup> Semester			
GE 1: Fil 40		3			GE 4: Eng 13		3	
GE 2: Kas 1		3			GE 5: Soc Sci 2		3	
GE 3: Philo 1		3			Geol 12		2	
Geol 11		3			Math 22		4	
Geol 11.1		1			Chem 16		3	
Math 21 <sup>1</sup>		4			Chem 16.1		2	
PE		(2)			PE		(2)	
					<b>Midyear</b>			
						<b>5</b>	<b>units</b>	
					Chem 26		3	
					Chem 26.1		2	
SECOND YEAR								
1 <sup>st</sup> Semester			17	units	2 <sup>nd</sup> Semester			
Geol 41		5			Geol 122		3	
Math 23		4			GE 7: (GE Elective)		3	
BIO 11		3			Geol 51		5	
BIO 11.1		2			GE 8: ARTS 1		3	
GE 6: Speech 30		3			Physics 71		4	
PE		(2)			Physics 71.1		1	
NSTP <sup>2</sup>		(3)			PE		(2)	
					NSTP <sup>2</sup>		(3)	
THIRD YEAR								
1 <sup>st</sup> Semester			17	units	2 <sup>nd</sup> Semester			
Elective (Free Elective) <sup>3</sup>		3			Geol 118		3	
Geol 120		4			Geol Elective <sup>4</sup> 1		3	
GE 9: STS 1 /DRMAPS		3			Geol 105		3	
Geol 175		3			Geol 135		4	
Geol 112		4			Physics 72		4	
					Physics 72.1		1	
					<b>Midyear</b>			
						<b>3</b>	<b>units</b>	
					Geol 170		3	
FOURTH YEAR								
1 <sup>st</sup> Semester			17	units	2 <sup>nd</sup> Semester			
Geol Elective <sup>4</sup> 2		3			Geol 198		3	
Geol 195		3			Geol 181		4	
Geol 193		5			Geol 196		2	
Geol 177		3			Geol Elective <sup>4</sup> 3		3	
Geol 199		3			Geol 200		3	
					PI 100		3	
						<b>TOTAL</b>	<b>148</b>	<b>units</b>



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**NOTES:**

1. All students required to take Math 21 must have passed any of the following: (1) Pre-Calculus from the STEM or equivalent strand of K-12; (2) the Validation Examination for Math 20 (Pre-Calculus: Functions and their Graphs) administered by the UPD Institute of Mathematics; or (3) Math 20 as a non-credit course.

2. As a requirement for graduation, all students must take six (6) units in one of the National Service Training Program (NSTP) components: Civic Welfare Training Service (CWTS), Literacy Training Service (LTS), and Reserved Officers' Training Corps Military Science (ROTC Mil Sci). These are offered by UPD.

3. Free Electives: Anthro 104 (Human Evolution), Anthro 115 (Philippine Archaeology), BIO 12 (Fundamentals of Biology II), BIO 12.1 (Fundamentals of Biology II Laboratory), BIO 165 (Biogeography), BIO 100 (Statistical Methods in Biology), BIO 191 (Systematics and Evolution), Chem 150 (Introduction to Physical Chemistry), CS 11 (Computer Programming I), Econ 11 (Markets and the State), EM 10 (Principles of Mining), Geog 101 (Climatology), GS 197 (Special Topics: Cultures of Disasters), IE 31 (Industrial Organization and Management), Math 122 (Elementary Differential Equations), MetE 10 (Introduction to MetE Profession), MatE 10 (Engineering Materials), MS 101 (Oceans), Philo 160 (Philosophy of Science), Physics 73 (Elementary Physics III), Stat 101 (Elementary Statistics), or Geol elective<sup>4</sup>.

4. Geology Electives: Geol 110 (Environmental Geology), Geol 116 (Engineering Geology), Geol 117 (Hydrogeology), Geol 131 (Micropaleontology), Geol 132 (Paleontology), Geol 133 (Marine Geology), Geol 141 (Earth Materials Science), Geol 154 (Volcanology), Geol 171 (Mineral Data Analysis), Geol 172 (Introduction to Geostatistics), Geol 173 (Introduction to Earth Resource Economics), Geol 174 (Introduction to Earth Resources Project Evaluation), Geol 190 (Petroleum Geology), Geol 197 (Undergraduate Special Topics).