

**B.S. in Geology -- Quarter to Semester Translation Table**  
**Quarter Requirements (AY 2017-18)**

		<b>Quarter Courses</b>	<b>Semester Course Equivalencies</b> (Course is the same as the quarter course. This can be 1:1; 1:many; many:1; or many:many courses. Anywhere (for any program) which the quarter course was required or listed, this (these) semester course(s) can be used. This information will also be displayed in the course conversion guide. Repeat rules apply.)	<b>Acceptable Semester Course Substitutions</b> (Course is NOT the same as the semester course, but it is acceptable for this particular program requirement area for all students. This information WILL NOT be displayed in the course conversion guide, but will be reflected on the PAWS as a choice for the student. Repeat rules DO NOT apply.)	<b>Acceptable Semester Course Repeats</b> (If there is no semester course equivalency, this is the alternative course to allow for grade forgiveness/grade discounting.)	<b>Quarter Units</b> (Current number of units which are required for each requirement area.)	<b>Semester Units</b> (Number of semester units which will be required for each requirement area.)	<b>Notes</b>		
Lower Division Requirements	one course chosen from:	BIOL 100 or BIOL 200	BIOL 1000 + BIOL 1000L BIOL 2010			5	4			
	Required Courses	CHEM 215	CHEM 2100 + CHEM 2100L			6	5			
		CHEM 216	CHEM 2200 + CHEM 2200L			6	5			
		GEOL 101	GEOL 1000 + GEOL 1000L			5	4			
		GEOL 250	GEOL 2000			5	4			
		MATH 211 MATH 212	MATH 2210 covers essential concepts in both MATH 211 and MATH 212	MATH 2210		4 4	4 4			
A minimum of 9 units chosen from Group A (students are strongly encouraged to complete the sequence)	Group A:	PHYS 121	PHYS 2000 + PHYS 2000L			9	4			
		PHYS 122	PHYS 2010 + PHYS 2010L							
		PHYS 123	NA	PHYS 2000 + PHYS 2000L						
	Group B:	PHYS 221	PHYS 2500 + PHYS 2500L							
		PHYS 222	PHYS 2510 + PHYS 2510L							
		PHYS 223	NA	PHYS 2500 + PHYS 2500L						
Upper Division Requirements	Required Courses	GEOL 301	GEOL 3100			4	3			
		GEOL 320	GEOL 3200 incorporates 320 and 321			5	5			
		GEOL 321				3				
		GEOL 322	GEOL 3220			4	4			
		GEOL 325	GEOL 3240			5	4			
		GEOL 330	GEOL 3300 and 3400 remix 330 and 340				4			
		GEOL 340				5				
		GEOL 360	GEOL 3600			5	4			
		GEOL 390 or GEOL 391B-F	GEOL 3902-3906			8	6			
		GEOL 398	GEOL 3990			1	3			
		GEOL 399	GEOL 4000			3	2			
		GEOL 590	GEOL 4900			2	2			
Major Electives	A minimum of 18 units chosen from the following list after consultation with a faculty advisor. No more than four units may be taken from supervision courses.	<b>General Geology Option (18 units) (Program Code: GEOL)</b>				18	12			
		GEOL 202	GEOG 2250							
		GEOL 308	GEOG 3710							
		GEOL 480	GEOG 4400							
		GEOL 307A-B	TBA with Track 3							
		GEOL 310	deleted							
		GEOL 312	GEOL 2500							
		GEOL 350	GEOL 3500							
		GEOL 370	GEOL 5200							
		GEOL 375	GEOL 3700							
		GEOL 391B-E	GEOL 3902-3906							
		GEOL 395A-D	GEOL 3951-3953							
		GEOL 540	GEOL 5000							
		GEOL 545A-B	GEOL 5000L							
		GEOL 550	GEOL 5600							
		GEOL 551	GEOL 5220							
		GEOL 552	GEOL 5240							
		GEOL 553	GEOL 5260							
		GEOL 554	GEOL 5420							
		GEOL 555	GEOL 5620 incorporates GEOL 555 and 556							
		GEOL 556								
		GEOL 575B-D	GEOL 5751, 5752, 5753							
		GEOL 591	GEOL 5280							
		GEOL 595A-E	GEOL 5951, 5952, 5953							
		GEOL 597B-D	GEOL 4800							
		MATH 262	TBA with Track 3							
				<b>Environmental Geology Option (18 units) (Program Code: ENVG)</b>				18	12	
		Required Courses	GEOL 375	GEOL 3700						
			GEOL 376	GEOL 3750						
			GEOL 430	GEOL 4100						
		A minimum of five units chosen, after consultation with a faculty advisor, from (no more than two units from supervision courses):	CHEM 206	CHEM 2060						
			GEOG 202	GEOG 2250						
			GEOG 470	GEOG 4250						
GEOL 480	GEOG 4400									
GEOL 312	GEOL 2500									
GEOL 540	GEOL 5000									
GEOL 545A-B	GEOL 5000L									
GEOL 550	GEOL 5600									
GEOL 551	GEOL 5220									
GEOL 552	GEOL 5240									
GEOL 553	GEOL 5260									
GEOL 554	GEOL 5420									
GEOL 555	GEOL 5620 incorporates GEOL 555 and 556									
GEOL 556										
GEOL 575B-D	GEOL 5751-5753									
GEOL 591	GEOL 5280									
GEOL 595A-E	GEOL 5951-5953									
GEOL 597B-D	GEOL 4800									
HSCI 557	TBA									
MATH 262	TBA with Track 3									

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			<b>Semester Course Equivalencies</b> (Course is the same as the quarter course. This can be 1:1; 1:many; many:1; or many:many courses. Anywhere (for any program) which the quarter course was required or listed, this (these) semester course(s) can be used. This information will also be displayed in the course conversion guide. Repeat rules apply.)	<b>Acceptable Semester Course Substitutions</b> (Course is NOT the same as the semester course, but it is acceptable for this particular program requirement area for all students. This information WILL NOT be displayed in the course conversion guide, but will be reflected on the PAWS as a choice for the student. Repeat rules DO NOT apply.)	<b>Acceptable Semester Course Repeats</b> (If there is <b>no</b> semester course equivalency, this is the alternative course to allow for grade forgiveness/grade discounting.)	<b>Quarter Units</b> (Current number of units which are required for each requirement area.)	<b>Semester Units</b> (Number of semester units which will be required for each requirement area.)	<b>Notes</b>
		<b>Quarter Courses</b>						

**GEOL-BA**

<b>Lower Division Requirements</b>	One course chosen from	BIOL 100 BIOL 200	BIOL 1000 + 1000L BIOL 2010			5	4		
	One course chosen from	CHEM 205 CHEM 215	CHEM 2050 + 2050L CHEM 2100 + 2100L			5-6	4		
	Required courses	GEOL 101 GEOL 250 MATH 211	GEOL 1xxx + 1xxxL GEOL 2000 Math 2210			5 5 4	4 4 4		
<b>Physics (a minimum of 13 units chosen from Group A or Group B)</b>	Group A	PHYS 121 PHYS 122 PHYS 123	PHYS 2000 + 2000L PHYS 2010+2010L			13-15	8		
	Group B	PHYS 221 PHYS 222 PHYS 223	PHYS 2500 + 2500L PHYS 2510						
<b>Upper Division Requirements</b>	Required courses	GEOL 301	GEOL 3100			4	4		
		GEOL 312	GEOL 2500			4	3		
		GEOL 320	GEOL 3200			5	5		
		GEOL 321	N/A						
		GEOL 322	GEOL 3220			4	4		
		GEOL 325	GEOL 3250			5	4		
		GEOL 330	GEOL 3300			5	4		
		GEOL 340	GEOL 3400			5	4		
		GEOL 360	GEOL 3600			5	4		
		GEOL 398	GEOL 3990			1	3		
GEOL 399	GEOL 4000			3	2				
GEOL 590	GEOL 4900			2	2				
<b>Major Electives</b>	A minimum of nine units selected from upper-division Geology courses (excluding GEOL 309), chosen in consultation with a faculty advisor. No more than 4 units may be from supervision courses.	GEOL 300-599				9	16		
<b>Total</b>						<b>92-95</b>	<b>83</b>		

**Major Electives**

GEOL 340	GEOL 3350			5	4
GEOL 350	GEOL 3500			5	4
GEOL 375	GEOL 3700			4	3
GEOL 376	GEOL 3750			4	3
GEOL 520	GEOL 3800			2	2
GEOL 391 B-F	GEOL 3902			2,3,4,5	2,3,4,6
GEOL 395 A-D	GEOL 3951			1,2,3	1,2,3
GEOL 430	GEOL 4100			5	4
GEOL 460	GEOL 4200			4	4
GEOL 597 B-D	GEOL 4800			2,3,4	2,3,4
GEOL 540	GEOL 5000			4	3
GEOL 370	GEOL 5200			4	3
GEOL 551	GEOL 5220			5	4
GEOL 552	GEOL 5240			5	4
GEOL 591	GEOL 5280			4	3
GEOL 530	GEOL 5300			5	3
GEOL 510	GEOL 5400			4	4
GEOL 554	GEOL 5420			4	3
GEOL 553	GEOL 5460			5	4
GEOL 550	GEOL 5600			5	4
GEOL 555	GEOL 5620			5	4
GEOL 575 B-D	GEOL 5751, 5752, 5753			2,3,4,5	1,2,3,4
GEOL 595 A-F	GEOL 5951, 5952, 5953			1,2,3	1,2,3