

## Typical Curriculum for Bachelor of Science in Geoscience for Geology

FRESHMAN YEAR			SOPHOMORE YEAR		
CLASS	TITLE	CREDIT	CLASS	TITLE	CREDIT
CHEM 105	College Chemistry I	4	BIOL 120, 121 or	Gen Bio, Gen Bio	8
CHEM 108	College Chemistry II	4	PHYS 104*, 105*	Gen Phys I, Gen Phys II	
ENGL 111 <sup>1</sup>	Intro to College Comp	3	PHYS 122, 242		
ENGL 112*	Comp & Research	3	ENGL (need 1)	210*, 220*, 240*, 250*	3
GEOL 105	Physical Geology	3	E S 220	GIS for the Sciences	3
GEOL 106	Historical Geology	4	GEOL 300*	Crystallography & Mineralogy	4
MATH	Need Two	8	HYDR 110 <sup>2</sup>	Intro to Hydrology	3
118	Pre Calculus		POLS 201*	American National Gov't	3
120	Calculus I		POLS 202*	Texas Government	3
209	Calculus II		V&PA or S&BS <sup>1</sup>		3
350	Principles of Bio Stats		TOTAL		30
HLTH 101	Wellness for Life	2			
or Activity P Ed					
TOTAL		31			

\* Denotes courses with prerequisites

**<sup>1</sup>English:** Students will be placed into English courses in accordance with the University's Placement and Continuing Enrollment Rules. Students **must** enroll in English during their first semester at Tarleton. Following initial English enrollment, students **must** enroll in English every regular semester thereafter until s/he has successfully completed the freshman-level English sequence [i.e., ENGL 111 and 112].

**Mathematics:** Students will be placed into mathematics courses in accordance with the University's Placement and Continuing Enrollment Rules. Students **must** enroll in mathematics during their first semester at Tarleton unless they are eligible for placement into college-level mathematics [MATH 107 or higher]. Students eligible for placement into college-level mathematics may choose to postpone initial mathematics enrollment until their second regular semester at Tarleton. Following initial mathematics enrollment, students must enroll in mathematics every regular semester thereafter until the freshman mathematics core curriculum requirement has been satisfied.

**V&PA:** 3 hours of visual and performing arts. These core curriculum requirements may not be selected from the student's major field. Visual and performing arts course must be historical, appreciative, or theoretical in nature; it may not be an applied or performance course. Courses that meet this requirement are ART 131, 231, 232, 331; FA 101, 135, 160, 401; IT 340; MUSC 213, 313, 324, 325, 326, 327, 328, THEA 105, 207, 208, 404.

**S&BS:** 3 hours of social and behavioral sciences 5,7 from SOC 101, 201, 303; PSY 101, 201, 301; ECO 101, 201; A EC 105; ARCH 201; ENGR 303; GEO 110, 120, 201; HIST 101, 102. These core curriculum requirements may not be selected from the student's major field. The two courses to fulfill this requirement must be chosen from different academic disciplines.

<sup>2</sup> HYDR 110 offered in Fall

## JUNIOR & SENIOR YEARS

CLASS	TITLE	CREDIT
COMS (need 1)	101, 102, 301	3
GEOL 305* (a) <sup>3</sup>	Paleontology	3
GEOL 306* (a) <sup>3</sup>	Igneous & Metamorphic Petrology	4
GEOL 312* (a) <sup>3</sup>	Structural Geology	3
GEOL 313* (b) <sup>3</sup>	Stratigraphy & Sedimentology	4
GEOL 405* (a) <sup>3</sup>	Intro to Field Geology	3
GEOL 411* (b) <sup>3</sup>	Economic Geology	3
From GEOL 310, 314, 320, 412	Geomorphology, Geochemistry, Hydrogeology, Subsurface Methods	6
E S 413	Field Techniques	3
HIST 201	US History through 1877	3
HIST 202	US History since Reconstruction	3
V&PA or S&BS <sup>1</sup>		3
Electives		6
Advanced Electives		12
	TOTAL	59
	PROGRAM TOTAL	120

\* Denotes courses with prerequisites

<sup>3</sup> Upper level GEOL and E S classes are typically offered on a two year rotation. Students should be aware of this and take classes as they are offered. (a) courses are typically offered even-odd (e.g. FA 06-SP 07) academic years and (b) courses for odd-even (e.g. FA 07-SP 08) academic years.