

**Typical Curriculum for
Bachelor of Science in Geoscience for Environmental Science**

<u>Freshman Year</u>			<u>Sophomore Year</u>		
CLASS	TITLE	CREDIT	CLASS	TITLE	CREDIT
CHEM 105,108*	College Chemistry I, II	8	BIOL 120	General Biology	4
ENGL 111 ¹	Intro to College Comp	3	BIOL 121	General Biology	4
ENGL 112*	Comp & Research	3	Need one advanced	E S or GEOL Class See back page	3
GEOL 105	Physical Geology	3	ENGL (need 1)	210*, 220*, 240*, 250*	3
GEOL 107	Intro to Environmental Science	4	E S 220	GIS for the Sciences	3
MATH (need 2) ¹		6-8	GEOL 203*	Crystallography & Min	4
107*	College Algebra		HYDR 110 ²	Intro to Hydrology	3
109*	Plane Trigonometry		POLS 201*	American Government	3
120*	Calculus I		POLS 202*	Texas Government	3
209*	Calculus II		V&PA or S&BS ¹		3
HLTH 101	Wellness for Life	2		TOTAL	33
or Activity P Ed					
V&PA or S&BS ¹		3			
	TOTAL	32-34			

* Denotes courses with prerequisites

¹**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.

² HYDR 110 offered in Fall

JUNIOR & SENIOR YEARS

CLASS	TITLE	CREDIT
AGRN 301*	Soils	4
AGRN (need 1)		3
312* or	Soil Morphology	
427*	Soils & the Environment	
BIOL 441*	Limnology	4
BIOL 401* ⁵	Ecology	4
CHEM (need 1)		4
CHEM 201	Organic Chemistry I	
CHEM 307	Quantitative Analysis	
CHEM 408	Instrumental Analysis	
COMS (need 1)		3
101 or	Fundamentals Of Speech Communication	
102 or	Public Speaking	
301	Business & Professional Speech	
E S 350* (b) ³	Environmental Science	3
E S 413* (b) ³	Environmental Techniques	3
E S 330* (b) ³	Meteorology	3
E S 340* (a) ³	Oceanography	3
GEOL 405* (a) ³	Intro to Field Geology	3
GEOL 314* (b) ³	Geochemistry	3
GEOL (need 3)		9-10
310* (b) ³	Geomorphology	
313* (b) ³	Stratigraphy & Sedimentary	
320* (a) ³	Hydrogeology	
412* (b) ³	Subsurface Methods	
HIST 201	US History through 1877	3
HIST 202	US History since Reconstruction	3
Math 300 or 350	Statistics or Biostatistics	3
	TOTAL	55-57
	PROGRAM TOTAL	120-124

*Denotes courses with prerequisites

³ 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.

⁴ Offered in fall alternate years

⁵ BIOL 401 offered in Fall

One ES/GEOL class counted on