

Typical Curriculum for Bachelor of Science in Geoscience for Geology with Teacher Certification in Science (8-12)

Freshman Year

CLASS	TITLE	CREDIT
CHEM 105	College Chemistry I	4
CHEM 108*	College Chemistry II	4
ENGL 111 ¹	Intro to College Comp	3
ENGL 112*	Comp & Research	3
GEOL 105	Physical Geology	3
GEOL 106*	Historical Geology	4
GEOL 107	Intro to Environmental Sci	4
MATH	(NEED TWO)	6-8
107* ¹	College Algebra	
109*	Plane Trigonometry	
120*	Calculus I	
209*	Calculus II	
300*	Principles of Statistics	
350*	Principles of Bio-Statistics	
HLTH 101	Wellness for Life	2
or Activity P Ed		
V&PA or S&BS ¹		3
	TOTALS	36

Sophomore Year

CLASS	TITLE	CREDIT
BIOL 120	General Biology	4
BIOL 121	General Biology	4
CHEM 201*	Organic Chemistry	4
E S 320* (a) ³ 330* (b) ³ 340* (a) ³ 350* (b) ³	Astronomy Meteorology Oceanography Environmental Science	3
COMS (need 1) 101 102 301	Fund. Of Speech ComPublic Speaking Bus. & Prof. Speech	3
ENGL (need 1)	210*, 220*, 240*, 250*	3
ENGL 309*	Technical Writing	3
HYDR 110 ²	Intro to Hydrology	3
POLS 201*	American National Gov't	3
POLS 202*	Texas Government	3
	TOTALS	33

* Denotes courses with prerequisites

² HYDR 110 offered in Fall

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; PHIL 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.

JUNIOR & SENIOR YEARS

CLASS	TITLE	CREDIT
BIOL 401*	Ecology	4
BIOL 470*	Analysis of Biological Principles	3
CHEM 486*	Chemistry Lab Safety	1
EDU 330* ⁴	Professional Development I	3
EDU 335*	Professional Development II	3
EDU 430*	Professional Development III	3
EDU 435	Professional Development IV	3
EDU 490	Practicum in Teaching	6
E S		6
320* (a) ³	Astronomy	
330* (b) ³	Meteorology	
340* (a) ³	Oceanography	
350* (b) ³	Environmental Science	
HIST 201	US History through 1877	3
HIST 202	US History since Reconstruction	3
PHYS 104*	General Physics I	4
PHYS 105*	General Physics II	4
Upper level PHYS elective		3
PSY 303*	Educational Psychology	3
RDG 351*	Content Area Reading	3
Advanced GEOL /E S		4
V&PA or S&BS ¹		3
	Total	62
	Total for degree	131-133

* 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 Need to take approximately four long semesters prior to graduation.