

Typical Curriculum for Bachelor of Science in Geoscience for Earth Science

Freshman Year

Sophomore Year

CLASS	TITLE	CREDIT	CLASS	TITLE	CREDIT
CHEM105,108*	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	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 107	Environmental Science	4
MATH (need 2) ¹		6-8	GEOL 300*	Crystallography & Min	4
107*	College Algebra		HYDR 110 ²	Intro to Hydrology	3
109*	Plane Trigonometry		POLS 201*		3
120*	Calculus I		POLS 202*		3
209*	Calculus II		V&PA or S&BS ¹		3
300*	Principles of Statistics				34
350*	Principles of Bio-Statistics				
HLTH 101	Wellness for Life	2			
or Activity P Ed					
V&PA or S&BS ¹		3			
		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; 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.

² HYDR 110 offered in Fall

JUNIOR & SENIOR YEARS

CLASS	TITLE	CREDIT
AGRN 301*	Soils	4
COMS (need 1) 101 102 301	Fundamentals Of Speech Communication Public Speaking Business & Professional Speech	3
E S 320 *(b) ³	Astronomy	3
E S 330* (b) ³	Meteorology	3
E S 340* (a) ³	Oceanography	3
E S 350* (b) ³	Environmental Science	3
E S 413	Environmental Techniques	3
FIELD GEOL 205* (a) ³	Intro to Field Geology	3
GEOL 310* (b) ³	Geomorphology	3
GEOL 405	Field Geology	
GEOL 305* (a) ³ 306* (a) ³ 312* (a) ³ 313* (b) ³ 314* (b) ³ 320* (a) ³ 411* (b) ³ 412* (b) ³	Paleontology Igneous & Meta Petrology Structural Geology Stratigraphy & Sedimentary Geochemistry Hydrogeology Economic Geology Subsurface Methods	9-11
HIST 201	US History through 1877	3
HIST 202	US History since Reconstruction	3
Advanced Elective		11
		54-56
	Program Total	120-124

* Denotes courses with prerequisites

² HYDR 110 offered in Fall

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