Typical Curriculum for
Bachelor of Science in Chemistry, with Teacher Certification, Physical Science (8-12)

Freshman Year

CLASS	TITLE	CREDIT
CHEM 105	College Chemistry I	4
CHEM 108*	College Chemistry II	4
COMS (need 1)		3
101	Fund. Of Speech Com	
102	Public Speaking	
301	Business & Prof. Speech	
ENGL 111[1]	Intro to College Comp	3
ENGL 112*	Comp & Research	3
MATH 118* [1]	Precalculus	4
MATH 120*	Calculus I	4
HLTH 101	Wellness for Life	3-4
or Activity P Ed		
V&PA or S&BS[1]		3
CIS or C S elec		3

Sophomore Year

CLASS	TITLE	CREDIT
CHEM 201*	Organic Chemistry I	4
CHEM 202*	Organic Chemistry II	4
ENGL (need 1)	210*, 220*, 240*,250*	3
HIST 201	US Hist through 1877	3
HIST 202	US Hist since Recon	3
MATH 209*	Calculus II	4
MATH		3-4
306*	Differential Equations	
333*	Calculus III	
PHYS 122*	Principles of Physics I	4
PHYS 242*	Principles of Physics II	4
PSY (need 1)		3
220*	Child & Adolescent Psy	
303*	Educational Psy	

* 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, 326, 327, 328, THEA 105, 207, 208, 404.

S&BS: 6 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 and Senior Years

CLASS	TITLE	CREDIT
CHEM 307* (b)[2]	Quantitative Analysis	4
CHEM 323* (a)[2]	Physical Chemistry I	4
CHEM 408* (b)[2]	Instrumental Analysis	4
CHEM 486*	Chemistry Problems	1
Other Science	BIOL -or- GEOL	4
BIOL		
120	General Biology	
121	General Biology	
GEOL		
105	Physical Geology	
106*	Historical Geology	
GEOL 107	Intro to Environmental Science	4
EDU 330*	Professional Dev I	3
EDU 335*	Professional Dev II	3
EDU 430*	Professional Dev III	3
EDU 435*	Professional Dev IV	3
EDU 490*	Practicum in Teaching	6
ENGL 309*	Technical Writing	3
POLS 201*	American Government	3
POLS 202*	Texas Government	3
PHYS 334*	Modern Physics	3
RDG 351*	Content Area Reading	3
Advanced CHEM elective		7
V&PA or S&BS[1]		6

* Denotes courses with prerequisites

[2] Upper level CHEM 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 08 SP 09) academic years and (b) courses for odd-even (e.g. FA 09 SP 10) academic years.