

**West Texas A&M University**  
**Advising Services**  
**Degree Checklist**  
**2018-2019**

(For assistance completing this form, contact Advising Services at 806-651-5300)

NAME: \_\_\_\_\_ WT ID: \_\_\_\_\_ DATE: \_\_\_\_\_

**Chemistry Option I—Professional Chemistry**  
**Chemistry and Physics**  
**Chemistry and Physics Bldg. (301 26<sup>th</sup> St.) (806)651-2940**

CORE CURRICULUM COURSES: 42 HOURS ♦		HRS
<b>Communication (Code 10)</b>		
ENGL 1301 Introduction to Academic Writing and Argumentation	3	
COMM 1315, 1318, or 1321	3	
<b>Mathematics (Code 20)</b>		
See University Core Requirements below	(3)	
<b>Life and Physical Sciences (Code 30)</b>		
See University Core Requirements below	(6)	
<b>Language, Philosophy and Culture (Code 40)</b>		
ANTH 2351, ENGL 2321*, 2326*, 2331*, 2341*, 2343*; HIST 2311, 2323, 2372; MCOM 1307; PHIL 1301, 2374; SPAN 2311*, 2312**/**, 2313*, 2315*, or 2371 Choose 1	3	
<b>Creative Arts (Code 50)</b>		
ARTS 1303, ARTS 1304; DANC 2303; MUSI 1306, MUSI 1307, MUSI 1310; or THRE 1310 Choose 1	3	
<b>American History (Code 60)</b>		
HIST 1301, 1302, 2301, 2381 Choose 2	6	
<b>Government/Political Science (Code 70)</b>		
POSC 2305 and 2306	6	
<b>Social and Behavioral Sciences (80)</b>		
AGBE 2317*; COMM 2377; CRIJ 1301; ECON 2301, 2302; PSYC 2301; SOCI 1301 Choose 1	3	
<b>Component Area Option (Code 90)</b>		
See University Core Requirements below	(6)	
<b>CHEMISTRY—OPTION I (PROFESSIONAL CHEMISTRY) MAJOR REQUIREMENTS: 80-84 HOURS</b> A grade of "C" or better must be earned in all courses required for major.		
<b>UNIVERSITY CORE REQUIREMENTS: 15 HOURS ♦</b>		
<b>CORE 20</b> MATH 1314*, 1316*, 1324*, 2412*[3], or 2413*[3]	3	
<b>CORE 30</b> CHEM 1411*[3] Chemistry I	3	
<b>CORE 30</b> CHEM 1412*[3] Chemistry II	3	
<b>CORE 90</b> ENGL 1302* or 2311*	3	
<b>CORE 90</b> CHEM 1411L[1], 1412L[1] AND IDS 1071[1], MATH 2412[1], or 2413[1]	3	
<b>PROF. CHEMISTRY REQUIREMENTS (OPTION 1): 65-69 HOURS</b>		
CHEM 2423*, 2423L Organic Chemistry I	4	
CHEM 2425*, 2425L Organic Chemistry II	4	
CHEM 3511*, 3511L Analytical Chemistry	5	
CHEM 3421*, 3421L Physical Chemistry I	4	
CHEM 3422*, 3422L Physical Chemistry II	4	
CHEM 4411*, 4411L Instrumental Analysis	4	
CHEM 4323* Biochemistry I CHEM 4223L* Biochemistry I Laboratory	5	
CHEM 4431*, 4431L Inorganic Chemistry	4	

**Bachelor of Science Degree**  
**BS.CHEM.PROF (104)**

CHEM 4397* Undergraduate Research	3	
CHEM 3201* Chemical Literature	2	
CHEM 4103* Seminar in Chemistry	1	
ADVANCED CHEMISTRY ELECTIVE	3	
MATH 1316* Plane Trigonometry <b>OR</b> MATH 2412* Pre-Calculus (if not taken to satisfy Core 20)	0-4	
MATH 2413* Calculus I	4	
MATH 2414* Calculus II	4	
MATH 3340* Calculus III	3	
PHYS 2425*, 2425L Calculus Physics I	4	
PHYS 2426*, 2426L Calculus Physics II	4	
CHEM 4370* (MPS 4370) Senior Investigations <b>OR</b> MPS 4393* Math/Physical Science/Engineering Technology Honors	3	
<b>BACHELOR OF SCIENCE REQUIREMENTS</b> Covered by requirements for major.		<b>OPTION</b>
<b>ELECTIVES: 9-13 HOURS BY ADVISEMENT ♦</b>		
ELECTIVES		9-13
<b>MINIMUM HOURS REQUIRED TO COMPLETE DEGREE</b>	<b>120</b>	

♦ NOTE: The core curriculum must total **exactly 42 hours**; excess hours must be moved to the major as an elective or a major requirement and stay within the 120-hour requirement or approved total submitted to the Coordinating Board for degree requirements. Some majors specify particular courses to meet core curriculum requirements when options are available.

\* Indicates prerequisites—see catalog for more information.

\*\* Or an equivalent course (second year, second semester) in a foreign language.

NOTE I: This option follows course recommendations of the American Chemical Society and prepares students for positions in industry, government and education. It is recommended for students planning to do graduate study in chemistry or seeking employment as chemists in industry.

NOTE II: At least 39 hours of advanced work (3000- or 4000-level courses) for which tuition is paid must be earned at WTAMU, and 30 of the final 36 hours counted toward the degree must be earned at WTAMU. A maximum of six semester hours in religion and six semester hours in physical education (PHED) courses can count toward a baccalaureate degree.

**Note: This is NOT a degree plan. After completing 30 hours, students are encouraged to request an official degree plan by using the online [Degree Plan Request](#) form. Students who have questions about their degree plan should contact the office of the dean of the Paul Engler College of Agriculture and Natural Sciences, which is located in the Agriculture and Natural Sciences Building, Room 106 (phone 806-651-3570). Students who have completed 45 hours will not be allowed to progress without requesting a degree plan.**