

West Texas A&M University
STARR Center
Degree Checklist
2008-2009

NAME: _____ WT ID: _____ DATE: _____

Chemistry Option I—Professional Chemistry
Department of Mathematics, Chemistry and Physics
FAB 165 651-2540

CORE CURRICULUM COURSES: 31 HOURS ♦			
Number of hours does not include specific core requirements listed below.			HRS
Communication (10)			
ENGL 1301 (ENG 101); 1302* (ENG 102) or 2311* (ENG 270)	6		
Communication (11)			
SCOM 1315 (101), 1318 (103), or 1321 (201)	3		
Mathematics (20)			
See University Core Requirements below	(3)		
Natural Sciences (30)			
See University Core Requirements below	(8)		
Humanities (40-41)			
ENGL 2321* (NEW), 2326* (NEW), 2331* (NEW), 2341* (NEW), 2343* (NEW); HIST 2311 (110), 2372 (210); MCOM 1307 (MC 107); PHIL 1301 (101), 2374 (204); or SPAN 2312** (207) Choose 1	3		
Visual and Performing Arts (50)			
HUMA 1315 (FA 101); ARTS 1303 (ART 151), ARTS 1304 (ART 152); DANC 2303 (NEW); MUSI 1306 (MUS 101) or 1208 and 1209; or THRE 1310 (105) Choose 1	3		
Social and Behavioral Sciences (60)			
HIST 1301 (201), 1302 (202), 2301 Choose 2	6		
Social and Behavioral Sciences (70)			
POSC 2305 (101) or POSC 2370 (NEW); 2306 (102)	6		
Social and Behavioral Sciences (80)			
AGBE 2317 (213), ANTH 2351 (201); CRIJ 1301 (CJ 105); ECON 2301 (ECO 201), 2302 (ECO 202), 2371; GEOG 1302 (202); PSYC 2301 (PSY 201); SCOM 2377 (255); SOCI 1301 (201); or SOCW 2361 (SOWK 201) Choose 1	3		
Institutionally Designated Option (90)			
PHED 1111 (SES 101); PHED/ANSC activity course; DANC 1241 (1070), 2241* (2370); MUEN 1026 Upon written recommendation of the University physician or the coordinator for Student Disability Services, students may substitute a one hour elective course in lieu of physical education course.	1-2		
PROFESSIONAL CHEMISTRY REQUIREMENTS: 79-80 HOURS			
Courses required for a degree in Chemistry (Option I—Prof. Chem.)			
UNIVERSITY CORE REQUIREMENTS: 11 HOURS			
CORE 20			
MATH 1314* (110) or 1324* (115)	3		
CORE 30			
CHEM 1411*, 1411L (101,101L) Chemistry I	4		
CORE 30			
CHEM 1412*, 1412L (102, 102L) Chemistry II	4		
PROF. CHEMISTRY REQUIREMENTS (OPTION I): 68-69 HOURS			
CHEM 2523*, 2523L (201) Organic Chemistry I	5		
CHEM 2525*, 2525L (202) Organic Chemistry II	5		
CHEM 3511*, 3511L (311) Analytical Chemistry	5		
CHEM 3521*, 3521L (321) Physical Chemistry I	5		
CHEM 3522*, 3522L (322) Physical Chemistry II	5		
CHEM 4411*, 4411L (411) Instrumental Analysis	4		

Bachelor of Arts Degree
BA.CHEM.PROF (104)

CHEM 4323* (421) Biochemistry I	5		
CHEM 4223L* (421L) Biochemistry I Laboratory			
CHEM 4431*, 4431L (431) Inorganic Chemistry	4		
CHEM 4397* (498) Undergraduate Research	3		
MATH 1316* (111) Plane Trigonometry MATH 2412 Pre-Calculus Choose 1	3-4		
MATH 2413* (240) Calculus I	4		
MATH 2414* (241) Calculus II	4		
MATH 3340* (340) Calculus III	3		
PHYS 2425*, 2425L (210) (PHYSICS) Engineering Physics I	4		
PHYS 2426*, 2426L (211) Engineering Physics II	4		
PHYS 3095 (341) Laboratory Problems	2		
MPS 4370* (NEW) Senior Investigations	3		
BACHELOR OF ARTS REQUIREMENTS: 12-14 HOURS			
OPTION			
Six hours of foreign language.	6-8		
Six hours chosen from art, English, history, modern languages, music, philosophy and theatre.	6		
TOTAL HOURS REQUIRED TO COMPLETE DEGREE	122-125		

♦ Core curriculum courses should be taken during the first two years of enrollment. For a list of core courses with descriptions see www.wtamu.edu/starr/.

* Indicates prerequisites—see [catalog](#) for more information.

** Or an equivalent course (second year, second semester) in French or German.

NOTE: Option I is recommended for students planning to do graduate study in chemistry or seeking employment as chemists in industry.

Note: This is NOT a degree plan. Upon completion of 60 hours, apply for a degree plan in the office of the dean of the College of Agriculture, Science and Engineering located in the Agriculture and Natural Sciences Building, Room 106, or call 651-2585.