

West Texas A&M University
STARR Center
Degree Checklist
2006-2007

NAME: _____ WT ID: _____ DATE: _____

Chemistry Option I—Professional Chemistry
Department of Mathematics, Physical Sciences and
Engineering - CC 312B 651-2540

CORE CURRICULUM COURSES (42 HOURS)		HRS
ENGL 1301 (ENG 101) (ENGLISH)		3
ENGL 1302* (ENG 102) (ENGLISH)		3
SCOM 1315 (101), 1318 (103), or 1321 (201) (SPEECH COMMUNICATIONS)		3
MATH 1314* (110) or 1324* (115)		3
CHEM 1411*, 1411L (101,101L) (CHEMISTRY)		4
CHEM 1412*, 1412L (102, 102L) (CHEMISTRY)		4
ENGL 2332* (ENG 201), 2333* (202), 2371* (203); HIST 2372 (210); PHIL 1301 (101); or SPAN 2312** (207) (ENGLISH, HISTORY, PHILOSOPHY, SPANISH) Choose 1		3
HUMA 1315 (FA 101); ARTS 1303 (ART 151), ARTS 1304 (ART 152); MUSI 1306 (MUS 101) or 1208 and 1209; or THRE 1310 (THRE 105) (FINE ARTS, ARTS, MUSIC, THEATRE) Choose 1		3
HIST 1301 (201) (HISTORY)		3
HIST 1302 (202) (HISTORY)		3
POSC 2305 (101) (POLITICAL SCIENCE)		3
POSC 2306 (102) (POLITICAL SCIENCE)		3
ANTH 2351 (201) ECON 2301 (ECO 201), GEOG 1302 (202), PSYC 2301 (PSY 201), SOCI 1301 (201) (ANTHROPOLOGY, ECONOMICS, GEOGRAPHY, PSYCHOLOGY, SOCIOLOGY) Choose 1		3
PHED 1111 (SES 101) (PHYSICAL EDUCATION) 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
PROFESSIONAL CHEMISTRY REQUIREMENTS (65-66 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
CHEM 4323* (421) Biochemistry I CHEM 4223L* (421L) Biochemistry I Laboratory		5
CHEM 4431*, 4431L (431) Inorganic Chemistry		4
CHEM 4397* (498) Undergraduate Research		3
MATH 1316* (111) Plane Trigonometry MATH 1348* (140) or 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

Bachelor of Arts/Science Degree
BA.CHEM.PROF or BS.CHEM.PROF (104)

PHYS 3095 (341) Laboratory Problems	2	
BACHELOR OF ARTS REQUIREMENTS (12 HOURS)		OPTION
Six hours of foreign language.	6-8	
Six hours chosen from art, English, history, modern languages, music, philosophy and theatre.	6	
BACHELOR OF SCIENCE REQUIREMENTS (0 HOURS)		OPTION
Six hours chosen from biology, chemistry, geology, geosciences, mathematics, and physics. (covered by major)	0	
Six hours chosen from agriculture, anthropology, biology, chemistry, computer information systems, economics, geography, geology, geosciences, history, mass communications, mathematics, physics, political science, psychology, sociology, speech, and sports and exercise sciences. (covered by major)	0	
ELECTIVES (1-16 HOURS) BY ADVISEMENT***		
ELECTIVES (ADVANCED)		
ELECTIVES (ANY LEVEL)		
TOTAL HOURS REQUIRED TO COMPLETE DEGREE	123	

* Indicates prerequisites—see catalog for more information.

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

*** At least 36 hours of advanced work (courses at the 3000- or 4000-level) are required to receive a bachelor's degree. At least 30 must be earned in residence at WTAMU.

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

Revised: 05/06
 CHEM.PROF.BA.BS

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, Nursing, Science and Engineering located in Old Main, Room 402, or call 651-2585.