

**West Texas A&M University**  
**STARR Center**  
**Degree Checklist**  
**2007-2008**

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

**Chemistry Option II—General Chemistry**  
**Department of Mathematics, Chemistry and Physics**  
**CC 312B 651-2540**

CORE CURRICULUM COURSES (42 HOURS)	HRS
ENGL 1301 (ENG 101) Composition and Reading	3
ENGL 1302* (ENG 102) Composition and Reading	3
SCOM 1315 (101), 1318 (103), or 1321 (201) (SPEECH COMMUNICATION)	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) <b>Choose 1</b>	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) (HUMANITIES, ART, MUSIC, THEATRE) <b>Choose 1</b>	3
HIST 1301 (201) America, 1492-1877	3
HIST 1302 (202) America Since 1877	3
POSC 2305 (101) American National Government POSC 2370 (NEW) Constitutional American Government <b>Choose 1</b>	3
POSC 2306 (102) American State and Local Government	3
AGBE 2317 (213), ANTH 2351 (201), ECON 2301 (ECO 201), GEOG 1302 (202), PSYC 2301 (PSY 201), SCOM 2377 (255), SOCI 1301 (201) (AGRICULTURAL BUSINESS AND ECONOMICS, ANTHROPOLOGY, ECONOMICS, GEOGRAPHY, PSYCHOLOGY, SPEECH COMMUNICATION, SOCIOLOGY) <b>Choose 1</b>	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
GENERAL CHEMISTRY REQUIREMENTS (50-53 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 CHEM 3522*, 3522L (322) Physical Chemistry II CHEM 4411*, 4411L (411) Instrumental Analysis CHEM 4323 (421) and 4223L (421L) Biochemistry I/ Biochemistry I Laboratory CHEM 4324 (422) and 4224L (422L) Biochemistry II/ Biochemistry II Laboratory CHEM 4431* (431) Inorganic Chemistry <b>Choose 3</b>	13-15
MATH 1316* (111) Plane Trigonometry MATH 1348* (140) or 2412 Pre-Calculus <b>Choose 1</b>	3-4
MATH 2413* (240) Calculus I	4
MATH 2414* (241) Calculus II	4
PHYS 1401*, 1401L (101) (PHYSICS) General Physics I PHYS 2425*, 2425L (210) Engineering Physics I <b>Choose 1</b>	4

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

PHYS 1402*, 1402L (102) General Physics II PHYS 2426*, 2426L (211) Engineering Physics II <b>Choose 1</b>	4	
MPS 4370* (NEW) (MATHEMATICS AND PHYSICAL SCIENCE) Senior Investigations	3	
BACHELOR OF SCIENCE REQUIREMENTS (12 HOURS)		OPTION
Six hours chosen from biology, chemistry, geology, geosciences, mathematics, and physics. <b>(Covered by major)</b>	0	
Six hours chosen from agricultural business and economics; agriculture; animal science; anthropology; biology; biotechnology; chemistry; computer information systems; computer science; economics; engineering; engineering technology; environmental science; geography; geology; geosciences; history; integrated pest management; mass communications; mathematics; mathematics and physical science; mechanical engineering; physics; plant, soil and environmental science; political science; psychology; sociology; speech; and sports and exercise sciences. <b>(Covered by major)</b>	0	
ELECTIVES (25-28 HOURS BY ADVISEMENT)***		
ADVANCED ELECTIVES Selected from chemistry, mathematics, biology, computer information systems, physics, environmental science and geology to provide a minimum of 36 hours.		
ELECTIVES (ANY LEVEL)		
<b>TOTAL HOURS REQUIRED TO COMPLETE DEGREE</b>	<b>120</b>	

\* 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 II is recommended for students whose career goals are to enter education or chemistry-related fields.

Revised: 3/07  
chem.opt2.gen.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, Science and Engineering, located in Old Main, Room 402, or call 651-2585.**