

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

NAME: _____

WT ID: _____

DATE: _____

Biotechnology
Department of Life, Earth and Environmental Sciences
ANS 348A 651-2570

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 2412* (MATHEMATICS)	4	
BIOL 1406, 1406L (101) (BIOLOGY)	4	
BIOL 1407*, 1407L (102) (BIOLOGY)	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 (105) (HUMANITIES, ART, MUSIC, THEATRE) Choose 1	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 Choose 1	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) 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	
BIOTECHNOLOGY CORE REQUIREMENTS (68-74 HOURS)		
BIOL 2572, 2572L (212) Microbiology	5	
BIOL 3301 (301) Genetics AGRI 3301 (301) (AGRICULTURE) Genetics Choose 1	3	
BIOL 3092* (399) Special Topics	4	
BIOL 3402*, 3402L (302) Cell Biology	4	
BIOL 4375 (475) Immunology and Serology	3	
BIOL 4416, 4416L (416) Introductory Biometry AGRI 3318 (318) Agricultural Statistics	3-4	
BIOT 4385* (485) (BIOTECHNOLOGY) Biotechnology	3	
BIOT 4401, 4401L (401) Molecular Cytogenetics	4	
CHEM 1411*, 1411L (101, 101L) (CHEMISTRY) Chemistry I	4	
CHEM 1412*, 1412L (102, 102L) Chemistry II	4	
CHEM 2523*, 2523L (201) Organic Chemistry I CHEM 2525*, 2525L (202) Organic Chemistry II CHEM 2533*, 2533L (233) Elementary Organic Chemistry Choose 1	5	

Bachelor of Science Degree
BS.BIOT (101)

CHEM 4323*, 4223L (421) Biochemistry I	5	
CHEM 4324*, 4224L (422) Biochemistry II	5	
PHYS 1401*, 1401L (101) (PHYSICS) General Physics I	4	
PHYS 1402*, 1402L (102) General Physics II	4	
MATH 2413* (241) Calculus I	4	
BIOT 4095* (421) Problems in Biotechnology BIOT 4098*/**** (492) Internship in Biotechnology BIOL 3350, 3350L (350) Hematology BIOL 3440, 3440L (340) Anatomy and Physiology of Humans BIOL 3451, 3451L (351) Histology BIOL 3452*, 3452L (352) Embryology CHEM 3511*/****, 3511L (311) Analytical Chemistry MATH 2414* (241) Calculus II PSES 3342* (342) Plant Breeding Choose 2	4-9	
ELECTIVES (4-10 HOURS BY ADVISEMENT)*****		
ELECTIVES (ADVANCED)		
ELECTIVES (ANY LEVEL)		
TOTAL HOURS REQUIRED TO COMPLETE DEGREE	120	

* Indicates prerequisites—see catalog for more information.

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

*** For further specialization in biotechnology, an internship in industry or research is recommended.

**** This course is highly recommended.

***** 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.

Revised 4/07
 biotech.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.