

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

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) (ENGLISH)	3
ENGL 1302* (ENG 102) (ENGLISH)	3
SCOM 1315 (101), 1318 (103), or 1321 (201) (SPEECH COMMUNICATIONS)	3
MATH 1314* (MATHEMATICS)	3
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) (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
BIOTECHNOLOGY CORE REQUIREMENTS (71-77 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
CHEM 4323*, 4223L (421) Biochemistry I	5
CHEM 4324*, 4224L (422) Biochemistry II	5
PHYS 1401*, 1401L (101) (PHYSICS) General Physics I	4

Bachelor of Science Degree
BS.BIOT (101)

PHYS 1402*, 1402L (102) General Physics II	4
MATH 1316* (111) Plane Trigonometry MATH1348* (140) Pre-Calculus Choose 1	3
MATH 2413* (241) Calculus I	4
BIOT 4095* (421) Problems in Biotechnology BIOT 4098**/** (492) Internship in Biotechnology BIOL 3350, 3350L (350) Hermatology 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	123

* 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 6/06
 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, Nursing, Science and Engineering located in Old Main, Room 402, or call 651-2585.