

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

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

**Pre-Engineering  
Department of Engineering and Computer Science  
ET 120 651-5257**

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) or 1321 (201) (SPEECH COMMUNICATION)	3
MATH 2413* (240) Calculus I	4
PHYS 2425* (210), 2425L (210L) Engineering Physics I	4
PHYS 2426* (211), 2426L (211L) Engineering Physics II	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 (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
PRE-ENGINEERING REQUIREMENTS—See NOTE (38 HOURS)	
ENGR 1301*** (101), 1301L (101L) Fundamentals of Engineering	3
ENGR 1302*/*** (NEW), 1302L (NEW) Fundamentals of Engineering II	3
ENGR 1304 (125), 1304L (125L) Engineering Graphics	3
ENGR 1375*** (115), 1375L (115L) Principles of DC and AC Circuits	3
ENGR 2301* (230) Engineering Statics	3
ENGR 2302* (240) Engineering Dynamics	3
ENGR 3302*/*** (302) Fundamentals of Engineering Econ.	3
CHEM 1411* (101), 1411L (101L) (CHEMISTRY) Chemistry I	4
MATH 2414* (241) Calculus II	4

**Non-Degree Pre-professional Program  
PRE.ENGR (128)—See NOTE**

MATH 3340* (340) Calculus III	3
MATH 3342* (342) Differential Equations I	3
MATH 4361*/*** (461) Engineering Statistics	3
<b>TOTAL HOURS OF ABOVE COURSES</b>	<b>80</b>

\* Indicates prerequisites—see catalog for more information.

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

\*\*\* Required as part of the WTAMU Mechanical Engineering curriculum, but may not transfer to other institutions.

Revised: 7/07  
enr.pr

**NOTE: This is NOT a degree plan. The Pre-Engineering Program prepares students for a thorough grounding in mathematics, physics and chemistry, universally required by all ABET-accredited engineering programs. Completion of the Pre-Engineering Program will prepare students to enter WTAMU's Mechanical Engineering Program or transfer to another four-year university to complete their degree in other engineering disciplines.**