

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

NAME: _____ **WT ID:** _____ **DATE:** _____

Mechanical Engineering
Department of Mathematics, Physical Sciences &
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 2413* (240)		4
PHYS 2425* (210), 2425L (210L) (PHYSICS)		4
PHYS 2426* (211), 2426L (211L)		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
REQUIREMENTS FROM OTHER DEPARTMENTS (20 HOURS)		
CHEM 1411* (101), 1411L (101L) (CHEMISTRY) Chemistry I		4
ET 2371 (201), 2371L (201L) Materials and Fabrication/Metals and Ceramics ET 2372 (202), 2372L (202L) Materials and Fabrication/Plastics and Composites Choose 1		3
MATH 2414* (241) Calculus II		4
MATH 3340* (340) Calculus III		3
MATH 3342* (342) Differential Equations I		3
MATH 4361* (461) Engineering Statistics		3
ENGINEERING REQUIREMENTS (51 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

Bachelor of Science Degree
BS.MECH.ENGR (129)

ENGR 2302* (240) Engineering Dynamics	3
ENGR 3302* (302) Fundamentals of Engineering Econ.	3
MENG 3320* Engineering Thermodynamics	3
MENG 3340* (350) Mechanics of Materials I	3
MENG 3350* (NEW) Mechanics of Materials II	3
MENG 3360* (360) Engineering Ethics	3
MENG 4304* (404) Fundamentals of Fluid Mechanics	3
MENG 4350* (NEW) Machine Design	3
MENG 4352* (420) Thermal Power Systems	3
MENG 4360* (460) Heat Transfer	3
MENG 4362* Introduction to Numerical Analysis	3
MENG 4380* (480) Mechanical Engineering Design	3
ELECTIVES (12 HOURS)	
MENG ELECTIVE	3
MENG ELECTIVE	3
ADVANCED MATH/PHYS ELECTIVE (3000/4000-level)	3
ELECTIVE***	3
TOTAL HOURS REQUIRED TO COMPLETE DEGREE	126

* Indicates prerequisites—see catalog for more information.

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

*** Choose from ENGR, ET, or MENG.

Revised: 5/06
 ENGR.MECH

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 404, or call 651-2585.