

West Texas A&M University
Advising Services
Degree Checklist
2014-2015

(For assistance completing this form, contact Advising Services at 806-651-5300)

NAME: _____ WT ID: _____ DATE: _____

**Engineering Technology Option I—Renewable Energy
 Technology, Manufacturing/Industrial
 School of Engineering and Computer Science
 ECS Building, Room 119 651-5257**

CORE CURRICULUM COURSES: 42 HOURS ♦		HRS
Communication (Code 10)		
ENGL 1301 (ENG 101) Introduction to Academic Writing and Argumentation	3	
COMM 1315 (SCOM 101, 1315), 1318 (SCOM 103, 1318), or 1321 (SCOM 201, 1321)	3	
Mathematics (Code 20)		
See University Core Requirements below	(3)	
Life and Physical Sciences (Code 30)		
See University Core Requirements below	(6)	
Language, Philosophy and Culture (Code 40)		
ANTH 2351 (201), ENGL 2321*, 2326*, 2331*, 2341*, 2343*; HIST 2311 (110), 2323, 2372 (210); PHIL 1301 (101), 2374 (204); SPAN 2311* (206), 2312*/** (207), 2313* or SPAN 2315*/** Choose 1	3	
Creative Arts (Code 50)		
HUMA 1315 (FA 101); ARTS 1303 (ART 151), ARTS 1304 (ART 152); DANC 2303; MUSI 1306 (MUS 101) or 1208 and 1209* (extra MUSI hour moves to Code 90); or THRE 1310 (105) Choose 1	3	
American History (Code 60)		
HIST 1301 (201), 1302 (202), 2301, 2381 Choose 2	6	
Government/Political Science (Code 70)		
POSC 2305 (101) and 2306 (102)	6	
Social and Behavioral Sciences (Code 80)		
AGBE 2317* (213); COMM 2377 (SCOM 255, 2377); CRIJ 1301 (CJ 105); ECON 2301 (ECO 201), 2302 (ECO 202); PSYC 2301 (PSY 201); SOCI 1301 (201) Choose 1	3	
Institutionally Designated Option (Code 90)		
See University Core Requirements below	(6)	
ENGINEERING TECHNOLOGY OPTION I—INDUSTRIAL/ MANUFACTURING MAJOR REQUIREMENTS: 91 HOURS		
■ ■ ■		
A grade of "C" or better must be earned in all courses required for major.		
UNIVERSITY CORE REQUIREMENTS: 15 HOURS ♦		
CORE 20		
MATH 1316* (111) Plane Trigonometry OR MATH 2412*[3] Pre-Calculus	3	
CORE 30		
PHYS 1401*[3] (101) General Physics I AND PHYS 1402*[3] (102) General Physics II OR PHYS 2425*[3] (210) Calculus Physics I AND PHYS 2426*[3] (211) Calculus Physics II	6	
CORE 90		
ENGL 2311* (ENG 270) Introduction to Professional and Technical Communication	3	
CORE 90		
PHYS 1401L[1] and 1402L[1] OR PHYS 1425L[1] and 1426L[1]; MATH 2412[1] or IDS 1071	3	
RENEWABLE ENERGY TECHNOLOGY MANUFACTURING/INDUSTRIAL REQUIREMENTS: 64 HOURS		
ENGR 1171 (MENG 2360) Engineering Ethics	1	
ENGR 1301*, 1301L (ENGR 101, 1201) Fundamentals of Engineering	3	
ENGR 1304, 1304L (ET 125) Engineering Graphics	3	
ENGR 1375, 1375L (115) Principles of DC and AC Circuits	3	
ENGR 2301* (230) Engineering Statics	3	

**Bachelor of Science Degree
 BS.ENGR.TECH (112)**

ENGR 2302* (240) Engineering Dynamics	3	
ET 2371*, 2371L (201) Materials and Fabrications/Metals and Ceramics	3	
ET 2372*, 2372L (202) Materials and Fabrications/Plastics and Composites	3	
ET 2375*, 2375L (215) Electronic Devices and Circuits	3	
ET 3301* (301) Fundamentals of Manufacturing Technology	3	
ET 3360* (360) Plant Design and Layout	3	
ET 4314 (414) Industrial Quality Assurance	3	
ET 4370 (470) Industrial Safety and Accident Prevention	3	
ET 4380* (480) Design Implementation	3	
CHEM 1411*, 1411L (101) Chemistry I AND CHEM 1412*, 1412L (102) Chemistry II	8	
MATH 2413* (240) Calculus I	4	
Take four courses from: ET/PHYS 3302 (PHYS 302, 3302) Wind Energy & Wind Turbines ET/PHYS 3303 (PHYS 301, 3301) Solar Energy ET 3315*, 3315L (315) Digital Electronics ET 3330*, 3330L (330) Fluid Power/Power Transmission ET 4301*, 4301L (401) Machining Fundamentals ET 4311* (411) Industrial Design and Ergonomics ET 4325*, 4325L (425) Computer-Aided Drafting and Design ET 4330*, 4330L (430) Numerical Control and Computer-Aided Manufacturing ET 4350 Renewable Energy ET 4351 Bioenergy ET 4352 Geothermal Energy	12	
ADVANCED ELECTIVES: 12 HOURS Select four upper-level ET courses (or CS, MGT, ENGR, MENG, CENG, EVEG or other courses after consulting with an adviser).		
ADVANCED ET COURSE (or other after advisor consultation)	3	
ADVANCED ET COURSE (or other after advisor consultation)	3	
ADVANCED ET COURSE (or other after advisor consultation)	3	
ADVANCED ET COURSE (or other after advisor consultation)	3	
ELECTIVE: 2 HOURS (if needed to total 120 overall)		
ELECTIVE	2	
MINIMUM HOURS REQUIRED TO COMPLETE DEGREE	120	

♦ The core curriculum must total **exactly 42 hours**; excess hours must be moved to the major as an elective or a major requirement and stay within the 120-hour requirement or approved total submitted to the Coordinating Board for degree requirements. Some majors specify particular courses to meet core curriculum requirements when options are available.
 * Indicates prerequisites—see catalog for more information.
 ** Or an equivalent course (second year, second semester) in a foreign language.
 NOTE: At least 39 hours of advanced work (3000- or 4000-level courses) for which tuition is paid must be earned at WTAMU, and 30 of the final 36 hours counted toward the degree must be earned at WTAMU. A maximum of six semester hours in religion (RELI) and six semester hours in physical education (PHED) courses can count toward a baccalaureate degree.

Note: This is NOT a degree plan. After completing 30 hours, students are encouraged to request an official degree plan in the office of the dean of the College of Agriculture, Science and Engineering, located in the Agriculture and Natural Sciences Building, Room 106 (or call 651-2585). Students who have completed 45 hours will not be allowed to progress without requesting a degree plan.

