West Texas A&M University

Advising Services

Degree Checklist

2025-2026

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

Name:_____ **WT ID:**_____ **Date:**_____

Engineering Technology B.S.

College of Engineering (ECS-119) (651-5257)

Degree: Bachelor of Science (B.S.)

See the "Requirements for Baccalaureate Degrees" section of the Catalog.

Major: Engineering Technology

Major Code: 112

Student chooses from one of the following options:

- Option I: Renewable Energy Technology, Manufacturing/Industrial **BS.ENGR.TECH**
- Option II: Distribution **BS.ENGR.TECH.DIST**

University Core Curriculum Requirements (42 hours)	**Semester Credit Hours**	
Core 10 - Communication (3 hours from ENGL options) • ENGL 1301 or ENGL 1311	**3**	
Core 10 - Communication (3 hours from COMM options) • COMM 1315; COMM 1318; or COMM 1321	**3**	
Core 20 - Mathematics (3 hours) • See Major-Specific University Core Requirements below		
Core 30 - Life and Physical Sciences (6 hours) • See Major-Specific University Core Requirements below		
Core 40 - Language, Philosophy and Culture (3 hours) • ANTH 2351; ENGL 2321; ENGL 2326; ENGL 2331; ENGL 2341; ENGL 2343; HIST 2311; HIST 2323; HIST 2372; MCOM 1307; PHIL 1301; PHIL 2374; SPAN 2311; SPAN 2312 [or an equivalent course (second year or intermediate level) in a foreign language]; SPAN 2313; SPAN 2315; or SPAN 2371	**3**	
Core 50 - Creative Arts (3 hours) • ARTS 1301; ARTS 1303; ARTS 1304; DANC 2303; MUSI 1306; MUSI 1307; MUSI 1310; or THRE 1310	**3**	
Core 60 - American History (6 hours) • HIST 1301; HIST 1302; HIST 2301; HIST 2381; or HIST 2382	**3**	**3**
Core 70 - Government / Political Science (6 hours) • POSC 2305 and POSC 2306	**3**	**3**
Core 80 - Social and Behavioral Sciences (3 hours) • AGBE 2317; COMM 2377; CRIJ 1301; ECON 2301; ECON 2302; GEOG 1302; PSYC 2301; or SOCI 1301	**3**	
Core 90 - Component Area Option (6 hours or fewer; may depend on major requirements) • See Major-Specific University Core Requirements below		

Engineering Technology Major Requirements (64-68 hours)			
***** C or better required in all courses in the Major Requirements ***** ***** C or better required in all prerequisites listed for College of Engineering courses required for ET majors *****			
Major-Specific University Core Requirements (15 hours)			
The following courses are required for their specific Core areas instead of the courses listed above in the general University Core Curriculum.			
Core 20 - Mathematics (3 hours) Option I: Renewable Energy Technology, Manufacturing/Industrial • MATH 1316 - Plane Trigonometry **or** MATH 2412 - Pre-Calculus Math (Fourth hour of MATH 2412, if taken, will count towards Core 90.) Option II: Distribution • MATH 1325 Mathematics for Business and Economics II	**3**		
Core 30 - Life and Physical Sciences (6 hours) • PHYS 1401, 1401L - General Physics I **and** PHYS 1402, 1402L - General Physics II **or** • PHYS 2425, 2425L - Calculus Physics I **and** PHYS 2426, 2426L - Calculus Physics II (Lab hours will count towards Core 90.)	**3**	**3**	
Core 90 - Component Area Option (6 hours) • ENGL 1302 – Academic Writing and Research **or** ENGL 2311 – Introduction to Professional and Technical Communication • Lab hours from PHYS 1401/1402 or PHYS 2425/2426 and fourth hour from MATH 2412, MATH 2413, or CHEM 1411	**3** **1**	**1**	**1**
Option I: Renewable Energy Technology, Manufacturing/Industrial Requirements (53 hours)			
ENGR 1171 - Engineering Ethics	**1**		
ENGR 1301 - Fundamentals of Engineering	**3**		
ENGR 1304 - Engineering Graphics	**3**		
ENGR 1375 - Principles of DC and AC Circuits	**3**		
ENGR 2301 - Engineering Statics	**3**		
ENGR 3202 - Fundamentals of Engineering Economics	**2**		
ENGR 3371 - Materials and Fabrication/Metals and Ceramics	**3**		
ET 3372 - Materials and Fabrication/Plastics and Composites	**3**		
ET 2375 - Electronic Devices and Circuits	**3**		
ET 3301 - Fundamentals of Manufacturing Technology	**3**		
ET 3360 - Plant Design and Layout	**3**		
ET 4314 - Industrial Quality Assurance	**3**		
ET 4320 - Principles of Programming, Controllers, and Automation	**3**		
ET 4370 - Industrial Safety and Accident Prevention	**3**		
ET 4380 - Design Implementation	**3**		
CHEM 1411 - Chemistry I	**4**		
MATH 2413 - Calculus I	**4**		
MATH 3360 - Statistical Methods	**3**		

Renewable Energy Technology Electives (12 hours)	
ET 3302 - Wind Energy and Wind Turbines	**3**
ET 3303 - Solar Energy: Residence and Rural Systems	**3**
ET 4350 - Renewable Energy	**3**
ET 4353 - Energy Management	**3**
Manufacturing/Industrial Electives (12 hours)	
Four courses from: ET 3370 - Engineering Product Design ET 4311 - Industrial Design and Ergonomics ET 4325, 4325L - Computer-Aided Drafting and Design ET 4330, 4330L - Numerical Control and Computer-Aided Manufacturing ET 4342 - Engineering Reliability **or** CS, MGT, ENGR, MENG, EVEG, CENG, AGRI or other courses after consulting with an adviser	**12**
General Elective (1 hour)	
From CS, ENGR, ET, CENT, EENG, EVEG, MENG or AGRI (or other courses after consulting with an adviser)	
Additional hour(s) to meet the minimum University requirement for a degree.	**1+**
Option II: Distribution (49 hours)	
ENGR 1171 - Engineering Ethics	**1**
ENGR 1301 - Fundamentals of Engineering	**3**
ENGR 1304 - Engineering Graphics	**3**
ENGR 1375 - Principles of DC and AC Circuits	**3**
ENGR 3202 - Fundamentals of Engineering Economics	**2**
ENGR 3371 - Materials and Fabrication/Metals and Ceramics	**3**
ET 3372 - Materials and Fabrication/Plastics and Composites	**3**
ET 2375, 2375L - Electronic Devices and Circuits	**3**
ET 3301 - Fundamentals of Manufacturing Technology	**3**
ET 3360 - Plant Design and Layout	**3**
ET 4314 - Industrial Quality Assurance	**3**
ET 4320 - Principles of Programming, Controllers, and Automation	**3**
ET 4340 - Principles of Industrial Distribution	**3**
ET 4370 - Industrial Safety and Accident Prevention	**3**
ET 4380 - Design Implementation	**3**
CHEM 1411 - Chemistry I	**4**
MATH 3360 - Statistical Methods	**3**
Distribution Electives (12 hours)	
ET 3370 - Engineering Product Design	**3**
ET 4311 - Industrial Design and Ergonomics	**3**
ET 4342 - Engineering Reliability	**3**
ET 4371 - Materials Handling and Warehouse Management	**3**

MGT/MKT Electives (12 hours)	
Four courses from: MGT 3330 - Principles of Management MGT 3335 - Organizational Behavior MGT 4311 - Business Ethics and Society MKT 3340 - Principles of Marketing MKT 3342 - Consumer Behavior MKT 3350 - Digital Marketing MKT 4340 - International Marketing MKT 4346 - Sales Management	**12**
General Elective (5 hours)	
ET Electives (or CS, MGT, ENGR, MENG, CENG, EVEG, AGRI or other courses after consulting with an adviser)	**5**

Total hours required to complete degree: 120 hours

Depending on transfer credits and other substitutions/waivers, student may need to take additional electives as needed to total a minimum of 120 hours or the minimum total hours required for this degree, of which at least 36 must be advanced (3000/4000 level) and earned at WTAMU.

Prerequisites

Some courses may require prerequisites. See the University Catalog for more information.

Advising Notes

NOTE: This is NOT a degree plan. All undergraduate students must request an official degree plan from their academic dean's office by the time they have completed 30 credit hours. In addition, this document is used as an advising resource. For official information, please refer to the University Catalog.