

**West Texas A&M University**  
**Advising Services**  
**Degree Checklist**  
**2021-2022**

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

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

**Engineering Technology Option II—Distribution**  
**College of Engineering**  
**ECS Building, Room 119 651-5257**

CORE CURRICULUM COURSES: 42 HOURS ♦		HRS	CC
<b>Communication (Core 10)</b>			
ENGL 1301 Introduction to Academic Writing and Argumentation	3		
COMM 1315, 1318, or 1321	3		
<b>Mathematics (Core 20)</b>			
See University Core Requirements below	(3)		
<b>Life and Physical Sciences (Core 30)</b>			
See University Core Requirements below	(6)		
<b>Language, Philosophy and Culture (Core 40)</b>			
ANTH 2351, ENGL 2321*, 2326*, 2331*, 2341*, 2343*; HIST 2311, 2323, 2372; MCOM 1307; PHIL 1301, 2374; SPAN 2311, 2312**/**, 2313, 2315*, or 2371 <b>Choose 1</b>	3		
<b>Creative Arts (Core 50)</b>			
ARTS 1301, 1303, 1304; DANC 2303; MUSI 1306, 1307 (for music majors), 1310; or THRE 1310 <b>Choose 1</b>	3		
<b>American History (Core 60)</b>			
HIST 1301, 1302, 2301, 2381, 2382 <b>Choose 2</b>	6		
<b>Government/Political Science (Core 70)</b>			
POSC 2305 and 2306	6		
<b>Social and Behavioral Sciences (Core 80)</b>			
AGBE 2317*; COMM 2377; CRIJ 1301; ECON 2301, 2302; PSYC 2301; SOCI 1301 <b>Choose 1</b>	3		
<b>Component Area Option (Core 90)</b>			
See University Core Requirements below	(6)		
<b>ENGINEERING TECHNOLOGY OPTION II—DISTRIBUTION MAJOR REQUIREMENTS: 85 HOURS</b> A grade of "C" or better must be earned in all courses required for major.			
<b>UNIVERSITY CORE REQUIREMENTS: 15 HOURS ♦</b>			
<b>CORE 20</b>			
MATH 1325* Math for Business and Economics	3		CC
<b>CORE 30</b>			
PHYS 1401*[3] General Physics I AND PHYS 1402*[3] General Physics II	6		CC
OR PHYS 2425*[3] Calculus Physics I AND PHYS 2426*[3] Calculus Physics II			
<b>CORE 90</b>			
ENGL 2311* Introduction to Professional and Technical Communication	3		CC
<b>CORE 90</b>			
PHYS 1401L[1] and 1402L[1] OR PHYS 2425L[1] and PHYS 2426L[1]; CHEM 1411L[1] or 1412L[1]	(3)		
<b>OPTION II—DISTRIBUTION REQUIREMENTS: 51 HOURS</b>			
ENGR 1171* Engineering Ethics	1		
ENGR 1301*, 1301L Fundamentals of Engineering	3		
ENGR 1304, 1304L Engineering Graphics	3		
ENGR 1375*, 1375L Principles of DC and AC Circuits	3		
ENGR 3202* Fundamentals of Engineering Econ.	2		
ET 2371*, 2371L Materials and Fabrications/Metals and Ceramics	3		
ET 2372*, 2372L Materials and Fabrications/Plastics and Composites	3		
ET 3301* Fundamentals of Manufacturing Technology	3		

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

ET 3360* Plant Design and Layout	3		
ET 4311* Industrial Design and Ergonomics	3		
ET 4314 Industrial Quality Assurance	3		
ET 4340 Principles of Industrial Distribution	3		
ET 4370 Industrial Safety and Accident Prevention	3		
ET 4380* Design Implementation	3		
<b>Take four courses from:</b>			
ET 3315*, 3315L Digital Electronics	12		
ET 3330*, 3330L Fluid Power/Power Transmission			
ET 4301*, 4301L Machining Fundamentals			
ET 4325*, 4325L Computer-Aided Drafting and Design			
ET 4330*, 4330L Numerical Control and Computer-Aided Manufacturing			
<b>REQUIRED COURSES FROM OTHER AREAS: 19 HOURS</b>			
CHEM 1411*, 1412L Chemistry I AND CHEM 1412*, 1412L Chemistry II	(7)		CC
<i>-One of the lab hours will count for University Core 90 requirement.</i>			
<b>Take four courses from:</b>			
MGT 3330 Principles of Management	12		
MGT 3335* Organizational Behavior			
MGT 4311* Business Ethics and Society			
MKT 3340 Principles of Marketing			
MKT 3342 Consumer Behavior			
MKT 3350 Evolutionary Marketing			
MKT 4340* International Marketing			
MKT 4346* Sales Management			
<b>ELECTIVES: 8 HOURS BY ADVISEMENT ♦</b>			
ELECTIVES	8		
<b>TOTAL HOURS REQUIRED TO COMPLETE DEGREE</b>			<b>120</b>

♦ 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 36 hours of advanced work (3000- or 4000-level courses) for which tuition is paid must be earned at WTAMU. A maximum of six semester hours in religion (REL1) and six semester hours in physical education (PHED) courses can count toward a baccalaureate degree.

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.

# WTAMU ADVISING SERVICES

## 2020-2021 Curriculum Guide

Major: Engineering Technology - Opt. II - Dist., B.S.

Major Code: 112

First Year <b>Boldface type indicates major requirements.</b>	
Fall	Spring
CORE 10 - ENGL 1301 <span style="float: right;">3</span>	<b>CORE 90 - ENGL 2311</b> <span style="float: right;">3</span>
<b>CORE 20 - MATH 1325</b> <span style="float: right;">3</span>	ENGR 1301 <span style="float: right;">3</span>
ENGR 1375 <span style="float: right;">3</span>	<b>CHEM 1411/1411L</b> <span style="float: right;">4</span>
ENGR 1304 <span style="float: right;">3</span>	(4th hour may be used for Core 90 if needed)
CORE - See checklist for options <span style="float: right;">3</span> (see also Note 1 below)	ENGR 3202 <span style="float: right;">2</span>
CORE - See checklist for options <span style="float: right;">3</span> (see also Note 1 below)	CORE - See checklist for options <span style="float: right;">3</span> (see also Note 1 below)
<b>Semester Hours</b> <span style="float: right;">15</span>	<b>Semester Hours</b> <span style="float: right;">15</span>

Second Year	
Fall	Spring
ET 2371 <span style="float: right;">3</span>	<b>ET Elective - 1st of four from:</b> <span style="float: right;">3</span> ET 3315, 3330, 4301, 4325 or 4330
<b>CHEM 1412/1412L</b> <span style="float: right;">4</span>	ET 2372 <span style="float: right;">3</span>
CORE - See checklist for options <span style="float: right;">3</span> (see also Note 1 below)	<b>ET Elective - 2nd of four from:</b> <span style="float: right;">3</span> ET 3315, 3330, 4301, 4325 or 4330
CORE - See checklist for options <span style="float: right;">3</span> (see also Note 1 below)	<b>CORE 30(1) - PHYS 1401/1401L</b> <span style="float: right;">4</span> - 4th hours counts towards Core 90
CORE - See checklist for options <span style="float: right;">3</span> (see also Note 1 below)	CORE - See checklist for options <span style="float: right;">3</span> (see also Note 1 below)
<b>Semester Hours</b> <span style="float: right;">13</span>	<b>Semester Hours</b> <span style="float: right;">16</span>

Third Year	
Fall	Spring
<b>ENGR 1171</b> <span style="float: right;">1</span>	ET 4311 <span style="float: right;">3</span>
ET 3360 <span style="float: right;">3</span>	ET 4314 <span style="float: right;">3</span>
ET 4370 <span style="float: right;">3</span>	<b>CORE 30(2) - PHYS 1402/1402L</b> <span style="float: right;">4</span> - 4th hour counts towards Core 90
ET 3301 <span style="float: right;">3</span>	CORE - See checklist for options <span style="float: right;">3</span> (see also Note 1 below)
<b>ET Elective - 3rd of four from:</b> <span style="float: right;">3</span> ET 3315, 3330, 4301, 4325 or 4330	Elective <span style="float: right;">3</span>
CORE - See checklist for options <span style="float: right;">3</span>	CORE - See checklist for options <span style="float: right;">3</span> (see also Note 1 below)
<b>Semester Hours</b> <span style="float: right;">16</span>	<b>Semester Hours</b> <span style="float: right;">16</span>

Fourth Year	
Fall	Spring
ET 4340 <span style="float: right;">3</span>	<b>MGT/MKT Elective - 1st of four</b> <span style="float: right;">3</span> - See checklist or Note 2 below
ET 4380 <span style="float: right;">3</span>	<b>MGT/MKT Elective - 2nd of four</b> <span style="float: right;">3</span> - See checklist or Note 2 below
<b>ET Elective - 4th of four from:</b> <span style="float: right;">3</span> ET 3315, 3330, 4301, 4325 or 4330	<b>MGT/MKT Elective - 3rd of four</b> <span style="float: right;">3</span> - See checklist or Note 2 below
CORE - See checklist for options <span style="float: right;">3</span> (see also Note 1 below)	<b>MGT/MKT Elective - 4th of four</b> <span style="float: right;">3</span> - See checklist or Note 2 below
Elective <span style="float: right;">3</span>	Elective <span style="float: right;">2</span> (3 hours if CHEM 1411 lab hr used for Core 90)
CORE - See checklist for options <span style="float: right;">3</span> (see also Note 1 below)	CORE - See checklist for options <span style="float: right;">3</span> (see also Note 1 below)
<b>Semester Hours</b> <span style="float: right;">15</span>	<b>Semester Hours</b> <span style="float: right;">14</span>

### Degree Total Hours 120

**DISCLAIMER:** This curriculum guide should be used in conjunction with the corresponding degree checklist for general planning purposes only. The degree checklist (later a student's official degree plan) should be referred to as the comprehensive list of all courses required for the degree. An official degree plan is required after completing 30 hours. Students should always seek the advice of their academic adviser before scheduling classes.

#### Identified Marketable Skills:

#### Top 3 Local Employers or Industries/Professional Programs/Possible Career Opportunities

#### Prerequisites/Important Sequences/Other degree Notes:

**Note 1 - Core:** Engineering Technology majors are required to take specific courses for Core 20, Core 30, and Core 90. For all other core categories, they may select from any available options (see degree checklist). Apart from the major-specific core requirements, there is no set order in which core courses must be taken.

**Note 2 - MGT/MKT Electives:**