

**West Texas A&M University**  
**Advising Services**  
**Degree Checklist**  
**2023-2024**

(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
<b>Communication (Core 10)</b>		
ENGL 1301 Intro. to Academic Writing & Argumentation OR ENGL 1311 Writing About Ideas	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, 2381, 2382, 2301 <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; GEOG 1302; 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	
<b>CORE 30</b> PHYS 1401*[3] General Physics I AND PHYS 1402*[3] General Physics II <b>OR</b> PHYS 2425*[3] Calculus Physics I AND PHYS 2426*[3] Calculus Physics II	6	
<b>CORE 90</b> ENGL 1302* Academic Writing and Research OR ENGL 1312* Writing About Ideas II OR ENGL 2311* Introduction to Professional and Technical Communication	3	
<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	

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

ET 3301* Fundamentals of Manufacturing Technology	3	
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 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 ET 4371 Materials Handling and Warehouse Management	12	
<b>REQUIRED COURSES FROM OTHER AREAS: 19 HOURS</b>		
CHEM 1411*, 1412L Chemistry I AND CHEM 1412*, 1412L Chemistry II <i>-One of the lab hours will count for University Core 90 requirement.</i>	(7)	
<b>Take four courses from:</b> 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	
<b>ELECTIVES: 8 HOURS BY ADVISEMENT ♦</b>		
ELECTIVES	8	
<b>TOTAL HOURS REQUIRED TO COMPLETE DEGREE</b>	<b>120</b>	

\* Indicates prerequisites—see catalog for more information.

\*\* Or an equivalent course (second year, second semester) in a foreign language.

**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 – 2022-2023 Curriculum Guide**

**Major: Engineering Technology Opt. II – Distribution, Major Code: 112**  
**B.S.**

<b>Year 1: Fall</b>		<b>Year 1: Spring</b>	
CORE 10 (Communication) – ENGL 1301 or 1311	3	CORE 90 (Component Area Option) – ENGL 1302, 1312, or 2311	3
CORE 20 (Mathematics) – MATH 1325 Mathematics for Business & Economics II	3	ENGR 1301 Fundamentals of Engineering	3
ENGR 1375/1375L Principles of DC & AC Circuits	3	CHEM 1411/1411L Chemistry I	4
ENGR 1304/1304L Engineering Graphics	3	ENGR 3202 Fundamentals of Engineering Economics	2
CORE – See checklist for options <sup>1</sup>	3	CORE – See checklist for options <sup>1</sup>	3
<b>Total:</b>	<b>17</b>	<b>Total:</b>	<b>15</b>
<b>Year 2: Fall</b>		<b>Year 2: Spring</b>	
ET 2371/2371L Materials & Fabrication/Metals & Ceramics	3	ET Elective – 1 <sup>st</sup> of 4 from: ET 3315, 3330, 4301, 4325, 4330, 4371	3
CHEM 1412/1412L Chemistry II	4	ET 2372/2372L Materials & Fabrication/Plastics & Composites	3
CORE – See checklist for options <sup>1</sup>	3	ET Elective – 2 <sup>nd</sup> of 4 from: ET 3315, 3330, 4301, 4325, 4330, 4371	3
CORE – See checklist for options <sup>1</sup>	3	CORE 30 (Life & Phys. Sci.) – PHYS 1401 or 2425	3
		CORE 90 (Component Area Option) – PHYS 1401L or 2425L	1
		CORE – See checklist for options <sup>1</sup>	3
<b>Total:</b>	<b>13</b>	<b>Total:</b>	<b>16</b>
<b>Year 3: Fall</b>		<b>Year 3: Spring</b>	
ENGR 1171 Engineering Ethics	1	ET 4311 Industrial Design and Ergonomics	3
ET 3360 Plant Design and Layout	3	ET 4314 Industrial Quality Assurance	3
ET 4370 Industrial Safety & Accident Prevention	3	CORE 30 (Life & Phys. Sci.) – PHYS 1402 or 2426	3
ET 3301 Fundamentals of Manufacturing Technology	3	CORE 90 (Component Area Option) – PHYS 1402L or 2426L	1
ET Elective – 3 <sup>rd</sup> of 4 from: ET 3315, 3330, 4301, 4325, 4330, 4371	3	CORE – See checklist for options <sup>1</sup>	3
CORE – See checklist for options <sup>1</sup>	3	Elective	3
<b>Total:</b>	<b>16</b>	<b>Total:</b>	<b>16</b>
<b>Year 4: Fall</b>		<b>Year 4: Spring</b>	
ET 4340 Principles of Industrial Distribution	3	MGT/MKT Elective – 1 <sup>st</sup> of 4 from: MGT 3330, 3335, 4311, MKT 3340, 3342, 3350, 4340, 4346	3
ET 4380 Design Implementation	3	MGT/MKT Elective – 2 <sup>nd</sup> of 4 from: MGT 3330, 3335, 4311, MKT 3340, 3342, 3350, 4340, 4346	3
ET Elective – 4 <sup>th</sup> of 4 from: ET 3315, 3330, 4301, 4325, 4330, 4371	3	MGT/MKT Elective – 3 <sup>rd</sup> of 4 from: MGT 3330, 3335, 4311, MKT 3340, 3342, 3350, 4340, 4346	3
CORE – See checklist for options <sup>1</sup>	3	MGT/MKT Elective – 3 <sup>rd</sup> of 4 from: MGT 3330, 3335, 4311, MKT 3340, 3342, 3350, 4340, 4346	3
Elective	3	Elective - 3 hours if CHEM 1411 lab hour is used for Core 90.	2
<b>Total:</b>	<b>15</b>	<b>Total:</b>	<b>14</b>

<sup>1</sup> **CORE:** Engineering Technology majors are required to take specific courses for Core 20, Core 30, and Core 90. For all other 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.

<b>Identified Marketable Skills</b>	<b>Top Three Local Employers or Industries/Professional Programs/Possible Career Opportunities</b>
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**Additional notes:**

- 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.
- 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 (RELI) and six semester hours in physical education (PHED) courses can count toward a baccalaureate degree.

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.