West Texas A&M University Advising Services Degree Checklist 2015-2016 (For assistance completing this form, contact Advising Services at 806-651-5300)

NAME:

WT ID: _____

Pre-Engineering Department of Engineering and Computer Science ECS Building, Room 119 651-5257

ECS Building, Room 119 651-5257			
CORE CURRICULUM COURSES: 42 HOURS +	HRS		
Communication (Code 10)	-	-	
ENGL 1301 Introduction to Academic Writing and Argumentation	3		
COMM 1315, 1318, or 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)		1	
ANTH 2351, ENGL 2321*, 2326*, 2331*, 2341*, 2343*; HIST 2311, 2323, 2372; PHIL 1301, 2374; SPAN 2311*, 2312*/**, 2313*, or 2315* Choose 1	3		
Creative Arts (Code 50)			
ARTS 1303, ARTS 1304; DANC 2303; HUMA 1315; MUSI 1306 or 1208 and 1209* (extra MUSI hour moves to Code 90); OT THRE 1310 Choose 1	3		
American History (Code 60)	1		1
HIST 1301, 1302, 2301, 2381 Choose 2	6		
Government/Political Science (Code 70)			
POSC 2305 and 2306	6		
Social and Behavioral Sciences (Code 80)			
AGBE 2317*; COMM 2377; CRIJ 1301; ECON 2301, 2302; PSYC 2301; SOCI 1301 Choose 1	3		
Institutionally Designated Option (Code 90)			
See University Core Requirements below	(6)		
PRE-ENGINEERING REQUIREMENTS: 49 HOURS—See N • A grade of "C" or better must be earned in all courses required for major. • A grade of "C" or better is mandatory for all prerequisites listed for ECS or for engineering majors.		requi	red
UNIVERSITY CORE REQUIREMENTS: 15 HOURS	-		
<u>CORE 20</u> MATH 2413*[3] Calculus I	3		
<u>CORE 30</u> PHYS 2425*[3] Calculus Physics I AND PHYS 2426*[3] Calculus Physics II	6		
<u>CORE 90</u> MATH 2413[1]; PHYS 2425L[1], PHYS 2426L[1]	3		
CORE 90 ENGL 2311* Introduction to Professional and Technical Communication	3		
ADDITIONAL PRE-ENGINEERING REQUIREMENTS: 34 H	OURS	;	
ENGR 1301*,1301L Fundamentals of Engineering	3		
CS 1315* Programming Fundamentals OR CS 1337, 1337L Intro. to Object-Oriented Programming	3		
	1		
ENGR 1304, 1304L Engineering Graphics	3		
ENGR 1304, 1304L Engineering Graphics ENGR 1375*/***, 1375L Principles of DC and AC Circuits	3 3		

DATE:

Non-Degree Pre-professional Program PRE.ENGR (128)—See NOTE

ENGR 2301* Engineering Statics	3	
ENGR 2302* Engineering Dynamics	3	
ENGR 3202* Fundamentals of Engineering Economics	2	
CHEM 1411*, 1411L Chemistry I	4	
MATH 2414* Calculus II	4	
MATH 3340* Calculus III	3	
MATH 3342* Differential Equations I	3	
TOTAL HOURS OF ABOVE COURSES	76	

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.

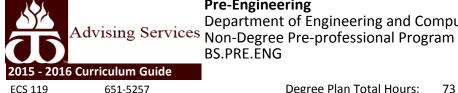
** Or an equivalent course (second year, second semester) in a foreign language. *** Not required for Civil Engineering.

NOTE: This is NOT a degree plan. Completion of the Pre-Engineering Program will prepare students to enter WTAMU's Mechanical, Civil, or Environmental Engineering Programs or to transfer to another fouryear university to complete their degree in other engineering disciplines.

	Program Admission Requirements
Criteria	ofor admission into the Mechanical Engineering Program:
•	Overall GPA of at least 2.25.
•	Completion of the pre-engineering sequence: MATH 2413,
	2414, PHYS 2425, 2426, ENGR 1301, 2301, 2302, and CS
	1315 or 1337 with a GPA of at least 2.75.
•	Successful completion of the entrance interview with adviser.
Criteria	for admission to the Civil Engineering Program:
•	Overall GPA of at least 2.25.
•	Completion of the pre-engineering sequence: MATH 2413,
	2414; CHEM 1411, 1412; ENGR 1301, 1304, 2301, and 2302
	with a GPA of at least 2.75.

Successful completion of the entrance interview with adviser.

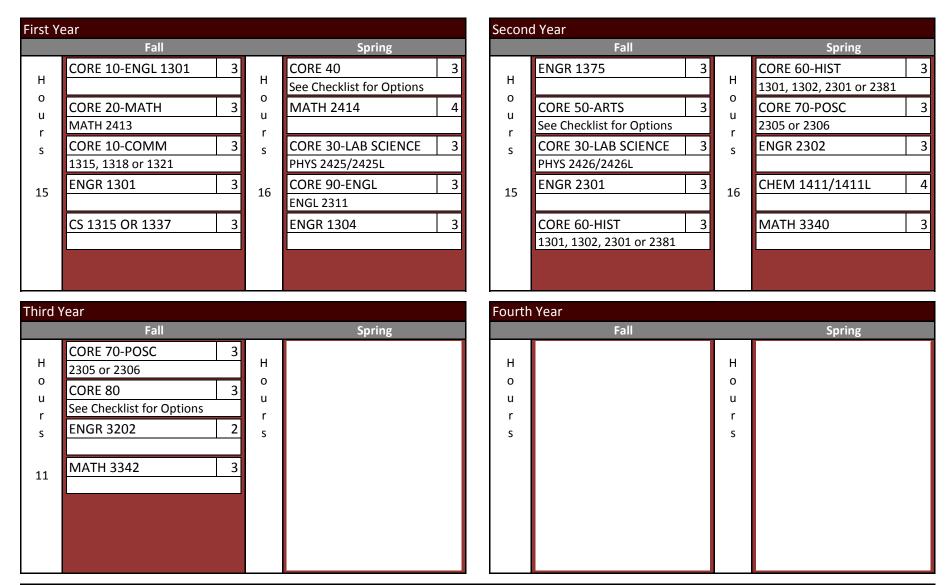
Pre-Engineering



Department of Engineering and Computer Science

Degree Plan Total Hours:

Major Code: 128



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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 45 hours. Students should always seek the advice of their academic adviser before scheduling classes.