

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:** _____

Physics B.S. (part of Consortium)		
Department of Chemistry and Physics (NSB 106) (651-2940)		
Degree: Bachelor of Science (B.S.)		
See the "Requirements for Baccalaureate Degrees" section of the Catalog.		
Major: Physics		BS.PHYSICS.TPC
Major Code: 138		
University Core Curriculum Requirements (42 hours)		Semester Credit Hours
Core 10 - Communication (3 hours from ENGL options)		
<ul style="list-style-type: none"> ENGL 1301 or ENGL 1311 	3	
Core 10 - Communication (3 hours from COMM options)		
<ul style="list-style-type: none"> COMM 1315; COMM 1318; or COMM 1321 	3	
Core 20 - Mathematics (3 hours)		
<ul style="list-style-type: none"> See Major-Specific University Core Requirements below 		
Core 30 - Life and Physical Sciences (6 hours)		
<ul style="list-style-type: none"> See Major-Specific University Core Requirements below 		
Core 40 - Language, Philosophy and Culture (3 hours)		
<ul style="list-style-type: none"> 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)		
<ul style="list-style-type: none"> ARTS 1301; ARTS 1303; ARTS 1304; DANC 2303; MUSI 1306; MUSI 1307; MUSI 1310; or THRE 1310 	3	
Core 60 - American History (6 hours)		
<ul style="list-style-type: none"> HIST 1301; HIST 1302; HIST 2301; HIST 2381; or HIST 2382 	3	3
Core 70 - Government / Political Science (6 hours)		
<ul style="list-style-type: none"> POSC 2305 and POSC 2306 	3	3
Core 80 - Social and Behavioral Sciences (3 hours)		
<ul style="list-style-type: none"> 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)		
<ul style="list-style-type: none"> See Major-Specific University Core Requirements below 		

Physics Major Requirements (64-68 hours)			
***** C or better required in all courses in the Major Requirements *****			
Major-Specific University Core Requirements (15 hours)			
The following courses are required for their specific Core areas <u>instead of</u> the courses listed above in the general University Core Curriculum.			
Core 20 - Mathematics (3 hours) <ul style="list-style-type: none"> MATH 1314 - College Algebra or MATH 1316 - Plane Trigonometry or MATH 1324 - Mathematics for Business and Economics I or MATH 2412 - Pre-Calculus Math or MATH 2413 - Calculus I (Fourth hour of MATH 2412 or MATH 2413, if taken, will count towards Core 90.)	3		
Core 30 - Life and Physical Sciences (6 hours) <ul style="list-style-type: none"> PHYS 2425, 2425L - Calculus Physics I PHYS 2426, 2426L - Calculus Physics II (Lab hours will count towards Core 90.)	3	3	
Core 90 - Component Area Option (6 hours) <ul style="list-style-type: none"> ENGL 1302 - Academic Writing and Research or ENGL 2311 - Introduction to Professional and Technical Communication Lab hours from PHYS 2425L/2426L and fourth hour from MATH 2412 or MATH 2413 (if taken) or from IDS 1071 	3		
	1	1	1
Physics Requirements (52-53 hours)			
PHYS 3310 - Modern Physics I	3		
PHYS 3320 - Thermodynamics	3		
PHYS 3330 - Mechanics I	3		
PHYS 3340 - Electricity and Magnetism I	3		
PHYS 3350 - Advanced Physics Laboratory	3		
PHYS 4103 - Seminar in Physics	1		
PHYS 4197 - Research in Physics	1		
PHYS 4320 - Quantum Mechanics I	3		
PHYS 4340 - Mathematical Methods	3		
PHYS 4360 - Nuclear Physics	3		
MATH 1316 - Plane Trigonometry or MATH 2412 - Pre-Calculus Math (if not taken to satisfy University core mathematics requirement)	3-4		
MATH 2413 - Calculus I	4		
MATH 2414 - Calculus II	4		
MATH 3340 - Calculus III	3		
MATH 3342 - Differential Equations I	3		
CS 1315 - Programming Fundamentals or CS 1337 - Programming Principles I	3		

