

West Texas A&M University
Advising Services
Pre-Medical Pre-professional Program Checklist
2019-2020

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

NAME: _____ **WT ID:** _____ **DATE:** _____

Pre-Medical
Department of Life, Earth and Environmental Sciences
NSB 348A 651-2570

CORE CURRICULUM COURSES: 42 HOURS ♦		HRS	
Communication (Core 10)			
ENGL 1301 Introduction to Academic Writing and Argumentation	3		
COMM 1315, 1318, or 1321	3		
Mathematics (Core 20)			
See University Core Requirements below	(3)		
Life and Physical Sciences (Core 30)			
See University Core Requirements below	(6)		
Language, Philosophy and Culture (Core 40)			
ANTH 2351, ENGL 2321*, 2326*, 2331*, 2341*, 2343*; HIST 2311, 2323, 2372; MCOM 1307; PHIL 1301, 2374; SPAN 2311*, 2312**/**, 2313*, 2315*, or 2371 Choose 1	3		
Creative Arts (Core 50)			
ARTS 1303, ARTS 1304; DANC 2303; MUSI 1306, MUSI 1307, MUSI 1310; or THRE 1310 Choose 1	3		
American History (Core 60)			
HIST 1301, 1302, 2301, 2381 Choose 2	6		
Government/Political Science (Core 70)			
POSC 2305 and 2306	6		
Social and Behavioral Sciences (Core 80)			
AGBE 2317*; COMM 2377; CRIJ 1301; ECON 2301, 2302; PSYC 2301; SOCI 1301 Choose 1 - NOTE: PSYC 2301 or SOCI 1301 are strongly recommended.	3		
Component Area Option (Core 90)			
See University Core Requirements below	(6)		
PRE-MEDICAL REQUIREMENTS: 70-75 HOURS			
UNIVERSITY CORE REQUIREMENTS: 15 HOURS			
CORE 20 MATH 1314*, 1316*, 2412*[3], or 2413*[3]	3		
CORE 30 BIOL 1406[3] Basic & Contemporary Biology I AND BIOL 1407*[3] Basic & Contemporary Biology II OR BIOL 1411[3] Botany AND BIOL 1413[3] Zoology	6		
CORE 90 ENGL 1302* Research and Rhetoric OR ENGL 2311* Introduction to Professional and Technical Communication	3		
CORE 90 BIOL 1406L[1] and 1407L[1] OR 1411L[1] and 1413L[1]; and fourth hour from MATH 2412[1] or MATH 2413[1], or IDS 1071	3		
ADDITIONAL PRE-MEDICAL REQUIREMENTS: 55-60			
BIOL 2401*, 2401L Human Anatomy & Physiology I	4		
BIOL 2402*, 2402L Human Anatomy & Physiology II	4		
BIOL 2572*, 2572L Microbiology	5		
ADVANCED BIOLOGY ELECTIVE WITH LAB	4		

Non-Degree/Pre-professional Program
BS.PRE.MEDICINE (145)

ADVANCED BIOLOGY ELECTIVE WITH LAB	4	
ADVANCED BIOLOGY ELECTIVE	4	
CHEM 1411*, 1411L Chemistry I	4	
CHEM 1412*, 1412L Chemistry II	4	
CHEM 2423*, 2523L Organic Chemistry I	4	
CHEM 2425*, 2525L Organic Chemistry II	4	
CHEM 4323* Biochemistry I <i>NOTE: CHEM 4323 is not required for admission to all Texas medical schools. Consult with pre-med advisor.</i>	3	
PHYS 1401*, 1401L General Physics I	4	
PHYS 1402*, 1402L General Physics II	4	
MATH 1316* Plane Trigonometry OR MATH 2412* Pre-Calculus (if not taken to satisfy Core 20)	0-4	
MATH 2413 Calculus I OR MATH 3360 Statistical Methods <i>Selection depends upon the particular medical school. Consult with pre-med advisor.</i>	3-4	
TOTAL HOURS NOTE: Minimum hours needed for transfer to professional school is 90.	90+	

♦ NOTE: 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 French or German.

NOTES: This is NOT a degree plan. This is a basic three- to four-year program of 90+ minimum hours for admission to professional schools. Students should consult their adviser for proper course selection. Professional school admissions officers make final decisions regarding entrance requirements to their respective schools. Contact your adviser or the Department of Life, Earth and Environmental Sciences (ANS 348A; 651-2570) if you have questions regarding the transfer of credits to a professional school. The office of the dean of the College of Agriculture and Natural Sciences is located in the Happy State Bank Academic & Research Building, Suite 262 (phone—651-2585).

WTAMU ADVISING SERVICES

2019-2020 Curriculum Guide

Pre-professional Specialization: Pre-Medical

Specialization Code: PMED

First Year	
Fall	Spring
CORE 10(1) - ENGL 1301 3	CORE 90 - ENGL 1302 or 2311 3 <small>(required for major)</small>
CORE 20 - Take 1 course from: 3-4 MATH 1314, 1316, 2412 or 2413	CORE 30(2) - BIOL 1407 or 1413 3 Complete one pair: 1406 & 1407 OR 1411 & 1413
CORE 30(1) - <u>BIOL 1406 or 1411</u> 3	CORE 90 - BIOL 1407L or 1413L 1
4th (lab) hour counts towards Core 90.	CHEM 1412/1412L 4
CORE 90 - <u>BIOL 1406L or 1411L</u> 1	CORE - See checklist for options 3 <small>(see also Note 1 below)</small>
CHEM 1411/1411L 4	<input style="width: 100%;" type="text"/>
<input style="width: 100%;" type="text"/>	<input style="width: 100%;" type="text"/>
Semester Hours 14-15	Semester Hours 14

Second Year	
Fall	Spring
BIOL 2401/2401L 4	BIOL 2402/2402L 4
CHEM 2423/2423L 4	CHEM 2425/2425L 4
MATH 3360 (or MATH2413) 3-4 <small>(see Note 2 below)</small>	CORE - See checklist for options 3
CORE - See checklist for options 3 <small>(see also Note 1 below)</small>	CORE - See checklist for options 3 <small>(see also Note 1 below)</small>
<input style="width: 100%;" type="text"/>	<input style="width: 100%;" type="text"/>
<input style="width: 100%;" type="text"/>	<input style="width: 100%;" type="text"/>
Semester Hours 14-15	Semester Hours 14

Third Year	
Fall	Spring
BIOL 2572/2572L 5	PHYS 1402/1402L 4
PHYS 1401/1401L 4	CORE 40 - See checklist for options 3 <small>(see also Note 1 below)</small>
CHEM 4323 3	CORE 60 - See checklist for options 3 <small>(see also Note 1 below)</small>
CORE - See checklist for options 3 <small>(see also Note 1 below)</small>	ADDITIONAL MAJOR REQUIRMENTS TBD
CORE - See checklist for options 3 <small>(see also Note 1 below)</small>	<input style="width: 100%;" type="text"/>
<input style="width: 100%;" type="text"/>	<input style="width: 100%;" type="text"/>
Semester Hours 18	Semester Hours

Fourth Year	
Fall	Spring
ADDITIONAL MAJOR REQUIRMENTS TBD	ADDITIONAL MAJOR REQUIRMENTS TBD
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Semester Hours 	Semester Hours

Degree Total Hours 120

Please note that this is a basic program of 90+ minimum hours for admission to professional schools. Students must select a specific major in order to earn a bachelor's degree (e.g., Biology or Biochemistry).

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: Pre-Med students may select any available options for the following University Core areas: **Core 10** - Communication, **Core 40** - Language, Philosophy & Culture (3 hours), **Core 50** - Creative Arts (3 hours), **Core 60** - American History (6 hours), **Core 70** - Government/Political Science (6 hours), and **Core 80** - Social and Behavioral Sciences (3 hours). **PSYC 2301 or SOCI 1301** are strongly recommended for Core 80. There is no set order in which these courses must be taken. Other core areas, however, require the **specific courses** listed above and on the degree checklist.

Note 2 - MATH 2413 or 3360: Medical schools require either MATH 2413 or 3360; consult with your adviser on these courses.