

West Texas A&M University
Advising Services
Pre-Medical Pre-professional Program Checklist
2023-2024

(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 Intro. to Academic Writing & Argumentation OR ENGL 1311 Writing About Ideas	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, 2382 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; GEOG 1302; PSYC 2301; SOCI 1301 Choose 1 <i>- NOTE: PSYC 2301 or SOCI 1301 are strongly recommended.</i>	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	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	
ADVANCED BIOLOGY ELECTIVE WITH LAB	4	
ADVANCED BIOLOGY ELECTIVE	4	

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

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+	

* 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 – 2023-2024 Curriculum Guide

Specialization: Pre-Medical

Major Code: PMED

Year 1: Fall	
CORE 10 (Communication) – ENGL 1301 or 1311	3
CORE 20 (Mathematics) – MATH 1314, 1316, 2412 or 2413	3-4
CORE 30 (Life & Phys. Sci.) – BIOL 1406	3
CORE 90 (Component Area Option) – BIOL 1406L	1
CHEM 1411/1411L Chemistry I	4
Total:	14-15

Year 1: Spring	
CORE 90 (Component Area Option) – ENGL 1302, 1312 or 2311	3
CORE 30 (Life & Phys. Sci.) – BIOL 1407	3
CORE 90 (Component Area Option) – BIOL 1407L	1
CHEM 1412/1412L Chemistry II	4
CORE – See checklist for options ¹	3
Total:	14

Year 2: Fall	
BIOL 2401/2401L Human Anatomy and Physiology I	4
CHEM 2423/2423L Organic Chemistry I	4
MATH 3360 (or MATH 2413 - consult with pre-med adviser)	3-4
CORE – See checklist for options ¹	3
Total:	14-15

Year 2: Spring	
BIOL 2402/2402L Human Anatomy and Physiology II	4
CHEM 2425/2425L Organic Chemistry II	4
CORE – See checklist for options ¹	3
CORE – See checklist for options ¹	3
Total:	14

Year 3: Fall	
BIOL 2572/2572L Microbiology	5
PHYS 1401/1401L General Physics I	4
CHEM 4323 Biochemistry I	3
CORE – See checklist for options ¹	3
CORE – See checklist for options ¹	3
Total:	18

Year 3: Spring	
PHYS 1402/1402L General Physics II	4
CORE – See checklist for options ¹	3
CORE – See checklist for options ¹	3
ADDITIONAL MAJOR REQUIREMENTS ²	TBD
Total:	TBD

Year 4: Fall	
ADDITIONAL MAJOR REQUIREMENTS ²	TBD
Total:	TBD

Year 4: Spring	
ADDITIONAL MAJOR REQUIREMENTS ²	TBD
Total:	TBD

¹ **CORE:** Students with a pre-medical specialization 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.

² **(Please note:** This is a basic program of 90+ 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).

Identified Marketable Skills	Top Three Local Employers or Industries/Professional Programs/Possible Career Opportunities

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.