

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

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

NAME: _____ WT ID: _____ DATE: _____

Pre-Dental
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 1301, 1303, 1304; DANC 2303; MUSI 1306, 1307 (for music majors), 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 - NOTE: PSYC 2301 is strongly recommended.	3	
Component Area Option (Core 90)		
See University Core Requirements below	(6)	
PRE-DENTAL REQUIREMENTS: 53-55+ 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-DENTAL REQUIREMENTS: 38-40+ HOURS		
BIOL 2572*, 2572L Microbiology	5	
CHEM 1411*, 1411L Chemistry I	4	
CHEM 1412*, 1412L Chemistry II	4	
CHEM 2423*, 2423L Organic Chemistry I	4	
CHEM 2425*, 2425L Organic Chemistry II	4	

Non-Degree/Pre-professional Program
BS.PRE.DENTISTRY (146)

CHEM 4323* Biochemistry 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	3-4	
MATH 3360* Statistical Methods - consult with your advisor on these courses.	3	
RECOMMENDED ELECTIVES		
BIOL 2401*, 2401L Human Anatomy & Physiology I BIOL 2402*, 2402L Human Anatomy & Physiology II BIOL 3402*, 3402L Cell Biology BIOL 3451*, 3451L Histology BIOL 4340* Neuroscience BIOL 4375 Immunology/Serology BIOL 3452*, 3452L Embryology CHEM 4324* Biochemistry II - Five hours if taken with lab (CHEM 4224L).		
And additional electives as required for admission to dental school. See pre-dental adviser.		

◆ 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 a foreign language.

NOTES: This is NOT a degree plan. This is a basic three- to four-year program of prerequisites for admission to professional schools. A minimum of 90 credit hours is required for application to Doctor of Dental Surgery programs. 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-Dental

Major Code: PDEN

Year 1: Fall		Year 1: Spring	
CORE 10 (Communication) – ENGL 1301 or 1311	3	CORE 90 (Component Area Option) – ENGL 1302, 1312 or 2311	3
CORE 20 (Mathematics) – MATH 1314, 1316, 2412 or 2413	3-4	CORE 30 (Life & Phys. Sci.) – BIOL 1407 or 1413	3
CORE 30 (Life & Phys. Sci.) – BIOL 1406 or 1411	3	CORE 90 (Component Area Option) – BIOL 1407L or 1413L	1
CORE 90 (Component Area Option) – BIOL 1406L or 1411L	1	CHEM 1412/1412L Chemistry II	4
CHEM 1411/1411L Chemistry I	4	CORE – See checklist for options ¹	3
Total:	14-15	Total:	14
Year 2: Fall		Year 2: Spring	
BIOL 2401/2401L Human Anatomy and Physiology I	4	BIOL 2402/2402L Human Anatomy and Physiology II	4
CHEM 2423/2423L Organic Chemistry I	4	CHEM 2425/2425L Organic Chemistry II	4
MATH 3360 Statistical Methods [consult with pre-dental adviser]	3	CORE – See checklist for options ¹	3
CORE – See checklist for options ¹	3	CORE – See checklist for options ¹	3
Total:	14	Total:	14
Year 3: Fall		Year 3: Spring	
BIOL 2572/2572L Microbiology	5	PHYS 1402/1402L General Physics II	4
PHYS 1401/1401L General Physics I	4	CORE – See checklist for options ¹	3
CHEM 4323 Biochemistry I	3	CORE – See checklist for options ¹	3
CORE – See checklist for options ¹	3	ADDITIONAL MAJOR REQUIREMENTS ²	TBD
CORE – See checklist for options ¹	3	Total:	15
Total:	18	Total:	15
Year 4: Fall		Year 4: Spring	
ADDITIONAL MAJOR REQUIREMENTS ²		ADDITIONAL MAJOR REQUIREMENTS ²	
Total:	TBD	Total:	TBD

¹ **CORE:** Students with a specialization in pre-dentistry 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 three-year program of prerequisites for admission to professional schools. A minimum of 90 credit hours is required for application to Doctor of Dental Surgery programs. 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
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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.