

West Texas A&M University
Advising Services
Pre-Dental Pre-professional Program Checklist
2014-2015

(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
ANS 348A 651-2570

CORE CURRICULUM COURSES: 42 HOURS ♦		HRS
Communication (Code 10)		
ENGL 1301 (ENG 101) Introduction to Academic Writing and Argumentation	3	
COMM 1315 (SCOM 101, 1315), 1318 (SCOM 103, 1318), or 1321 (SCOM 201, 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)		
ANTH 2351 (201), ENGL 2321*, 2326*, 2331*, 2341*, 2343*; HIST 2311 (110), 2323, 2372 (210); PHIL 1301 (101), 2374 (204); SPAN 2311* (206), 2312** (207), 2313* or SPAN 2315**	3	Choose 1
Creative Arts (Code 50)		
HUMA 1315 (FA 101); ARTS 1303 (ART 151), ARTS 1304 (ART 152); DANC 2303; MUSI 1306 (MUS 101) or 1208 and 1209* (extra MUSI hour moves to Code 90); or THRE 1310 (105) Choose 1	3	
American History (Code 60)		
HIST 1301 (201), 1302 (202), 2301, 2381 Choose 2	6	
Government/Political Science (Code 70)		
POSC 2305 (101) and 2306 (102)	6	
Social and Behavioral Sciences (Code 80)		
AGBE 2317* (213); COMM 2377 (SCOM 255, 2377); CRIJ 1301 (CJ 105); ECON 2301 (ECO 201), 2302 (ECO 202); PSYC 2301 (PSY 201); SOCI 1301 (201) Choose 1	3	
- NOTE: Beginning in 2015, the MCAT will cover social and behavioral sciences. PSYC 2301 is strongly recommended.		
Component Area Option (Code 90)		
See University Core Requirements below	(6)	
PRE-DENTAL REQUIREMENTS: 55-56+ HOURS		
UNIVERSITY CORE REQUIREMENTS: 15 HOURS ♦		
CORE 20 MATH 1314* (110), 1316* (111), 2412*[3] (1348), or 2413*[3] (240)	3	
CORE 30 BIOL 1406[3] (101) Basic & Contemporary Biology I AND BIOL 1407*[3] (102) Basic & Contemporary Biology II OR BIOL 1411[3] (122) Botany AND BIOL 1413[3] (121) Zoology	6	
CORE 90 ENGL 1302 (ENG 102) or 2311 (ENG 270)	3	
CORE 90 BIOL 1406L[1] and 1407L[1] OR 1411L[1] and 1413L[1]; IDS 1071[1] or MATH 2412[1] or MATH 2413[1]	3	
ADDITIONAL PRE-DENTAL REQUIREMENTS: 40-41+ HOURS		
BIOL 2572*, 2572L (212) Microbiology	5	
CHEM 1411*, 1411L (101) Chemistry I	4	
CHEM 1412*, 1412L (102) Chemistry II	4	

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

CHEM 2523*, 2523L (201) Organic Chemistry I	5	
CHEM 2525*, 2525L (202) Organic Chemistry II	5	
CHEM 4323* Biochemistry I	3	
PHYS 1401*, 1401L (101) General Physics I	4	
PHYS 1402*, 1402L (102) General Physics II	4	
MATH 1316* (111) Plane Trigonometry OR MATH 2412* (1348) Pre-Calculus	3-4	
RECOMMENDED COURSES FROM OTHER DEPARTMENTS		
MATH 3360* Statistical Methods - Medical schools require either MATH 2413 or MATH 3360; consult with your advisor on these courses.	3	
Recommended electives: BIOL 2401*, 2401L (240) Human Anatomy & Physiology I BIOL 2402*, 2402L (241) Human Anatomy & Physiology II BIOL 3402*, 3402L (302) Cell Biology BIOL 3451*, 3451L (351) Histology BIOL 4340* Neuroscience BIOL 4375 (475) Immunology/Serology BIOL 3452*, 3452L (352) Embryology CHEM 4324* (422) 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 French or German.

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, Science and Engineering is located in the Agriculture and Natural Science Building, Room 106 (phone—651-2585).



First Year					
Fall			Spring		
H o u r s 15	CORE 10-ENGL 1301	3	H o u r s 14	CORE 90-ENGL 1302 or 2311	3
	MATH 1316 OR 2412	3		CORE 30-LAB SCIENCE	4
	CORE 30-LAB SCIENCE	4		BIOL 1407/1407L	
	BIOL 1406/1406L			CHEM 1412/1412L	4
	CHEM 1411/1411L	4		CORE 50-ARTS	3
	CORE 90-IDS 1071*	1			

Second Year					
Fall			Spring		
H o u r s 15	CORE 70-POSC 2305 or 2306	3	H o u r s 15	CORE 70-POSC 2305 or 2306	3
	BIOL 2401/2401L	4		CORE 10-COMM 1315, 1318 or 1321	3
	CHEM 2523/2523L	5		BIOL 2402/2402L	4
	MATH 3360**	3		CHEM 2525/2525L	5

Third Year					
Fall			Spring		
H o u r s 18	BIOL 2572/2572L	5	H o u r s 15	PHYS 1402/1402L	4
	PHYS 1401/1401L	4		CORE 40	3
	CHEM 4323	3		ADV BIOL ELECTIVE***	4
	PSYC 2301	3		CORE 60-HIST 1301, 1302, 2301 or 2381	4
	CORE 60-HIST 1301, 1302, 2301 or 2381	3			

Fourth Year					
Fall			Spring		
H o u r s 15	ADV BIOL ELECTIVE***	3	H o u r s 13	ADV ELECTIVE****	3
	ADV ELECTIVE****	3		ADV ELECTIVE****	3
	ADV ELECTIVE***	3		ADV ELECTIVE****	4
	ADV ELECTIVE****	3		ADV ELECTIVE****	3
	ADV ELECTIVE****	3			

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.

Notes:

* IDS 1071 should be selected only if the student intends to take MATH 1316 instead of 2412.

** Medical schools require either MATH 2413 or 3360; consult with your adviser on these courses.

*** One of the two Biology Electives must have a lab; these courses apply towards completion of B.S. in Biology.

**** ADV ELECTIVES: needed to provide a minimum of 39 hours selected from BIOL, CHEM, BIOT, ENVR, GEOL, MATH or PHYS. These courses apply towards completion of B.S. in Biology.