

**West Texas A&M University**  
**Advising Services**  
**Pre-Medical Pre-professional Program Checklist**  
**2021-2022**

(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**

| <b>CORE CURRICULUM COURSES: 42 HOURS ♦</b>   |     | <b>HRS</b> |  |
|--|-----|------------|--|
| <b>Communication (Core 10)</b>   |     |            |  |
| ENGL 1301 Introduction to Academic Writing and Argumentation   | 3   |            |  |
| COMM 1315, 1318, or 1321   | 3   |            |  |
| <b>Mathematics (Core 20)</b>   |     |            |  |
| See University Core Requirements below   | (3) |            |  |
| <b>Life and Physical Sciences (Core 30)</b>  |     |            |  |
| See University Core Requirements below   | (6) |            |  |
| <b>Language, Philosophy and Culture (Core 40)</b>  |     |            |  |
| ANTH 2351, ENGL 2321*, 2326*, 2331*, 2341*, 2343*; HIST 2311, 2323, 2372; MCOM 1307; PHIL 1301, 2374; SPAN 2311*, 2312**/**, 2313*, 2315*, or 2371 <b>Choose 1</b>                               | 3   |            |  |
| <b>Creative Arts (Core 50)</b>   |     |            |  |
| ARTS 1303, ARTS 1304; DANC 2303; MUSI 1306, MUSI 1307, MUSI 1310; or THRE 1310 <b>Choose 1</b>   | 3   |            |  |
| <b>American History (Core 60)</b>  |     |            |  |
| HIST 1301, 1302, 2301, 2381, 2382 <b>Choose 2</b>  | 6   |            |  |
| <b>Government/Political Science (Core 70)</b>  |     |            |  |
| POSC 2305 and 2306   | 6   |            |  |
| <b>Social and Behavioral Sciences (Core 80)</b>  |     |            |  |
| AGBE 2317*; COMM 2377; CRIJ 1301; ECON 2301, 2302; <b>PSYC 2301; SOCI 1301</b> <b>Choose 1</b><br>- NOTE: PSYC 2301 or SOCI 1301 are strongly recommended.                                       | 3   |            |  |
| <b>Component Area Option (Core 90)</b>   |     |            |  |
| See University Core Requirements below   | (6) |            |  |
| <b>PRE-MEDICAL REQUIREMENTS: 70-75 HOURS</b>   |     |            |  |
| <b>UNIVERSITY CORE REQUIREMENTS: 15 HOURS</b>  |     |            |  |
| <b>CORE 20</b><br>MATH 1314*, 1316*, 2412*[3], or 2413*[3]   | 3   |            |  |
| <b>CORE 30</b><br>BIOL 1406[3] Basic & Contemporary Biology I <b>AND</b><br>BIOL 1407*[3] Basic & Contemporary Biology II<br><b>OR</b><br>BIOL 1411[3] Botany <b>AND</b><br>BIOL 1413[3] Zoology | 6   |            |  |
| <b>CORE 90</b><br>ENGL 1302* Research and Rhetoric <b>OR</b><br>ENGL 2311* Introduction to Professional and Technical Communication  | 3   |            |  |
| <b>CORE 90</b><br>BIOL 1406L[1] and 1407L[1] <b>OR</b> 1411L[1] and 1413L[1];<br>and fourth hour from MATH 2412[1] or MATH 2413[1], or<br>IDS 1071   | 3   |            |  |
| <b>ADDITIONAL PRE-MEDICAL REQUIREMENTS: 55-60</b>  |     |            |  |
| 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<br><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 <b>OR</b><br>MATH 2412* Pre-Calculus<br>(if not taken to satisfy Core 20)   | 0-4        |  |
| MATH 2413 Calculus I <b>OR</b><br>MATH 3360 Statistical Methods<br><i>Selection depends upon the particular medical school. Consult with pre-med advisor.</i> | 3-4        |  |
| <b>TOTAL HOURS</b><br><b>NOTE: Minimum hours needed for transfer to professional school is 90.</b>  | <b>90+</b> |  |

♦ 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

## 2021-2022 Curriculum Guide

### Pre-professional Specialization: Pre-Medical

### Specialization Code: PMED

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

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

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

| Fourth Year   |   |
|---|---|
| Fall  | Spring  |
| ADDITIONAL MAJOR REQUIRMENTS <span style="float: right;">TBD</span> | ADDITIONAL MAJOR REQUIRMENTS <span style="float: right;">TBD</span> |
|   |   |
|   |   |
|   |   |
|   |   |
|   |   |
|   |   |
| Semester Hours  | Semester Hours  |
|   |   |

### Degree Total Hours NA

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 are required to take specific courses for Core 20, Core 30, and Core 90; PSYC 2301 or SOCI 1301 are strongly recommended for Core 80. Unless other specific core courses are required by their major, students may select from any available options (see checklist) to satisfy other core requirements. There is no set order in which general core requirements must be taken.

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