



UT Tyler

ACADEMY OF FUTURE
HEALTH PROFESSIONALS

Medicine

Pre-requisite coursework preparation:

Mathematics (3-6 hours)

- Statistics (including ANOVA)

Physics (6 hours of lecture & 2 hours of lab)

- Physics I & II
(Most Texas schools accept trig-based or calculus based physics)

Biology (12 hours of lecture & 2 minimum of hours of lab)

- Biology I & II (required)
- Genetics
- Immunology
- Microbiology
- Cellular Biology
- Physiology

Chemistry (15 hours of lecture & 4 minimum hours of lab)

- Chemistry I & II
- Organic I & II
- Biochemistry (lecture required, lab recommended)
(may not be in introductory course)

Social Sciences (3 hours)

- Introduction to Psychology
- Introduction to Sociology

English (6 hours)

- Grammar & Composition I & II

There is no one “right” major:

You will need to complete all courses required for your major as well as the above classes. Some majors allow that to happen efficiently than others. Some majors focus on skills more appropriate for your specific career goals. Select a major you are passionate about and that demands critical thinking, written and oral communication, critical reading, and research & organizational skills.

MAPPING THE PRE-MEDICAL JOURNEY

The following provides an example map of all the required prerequisite and recommended courses and activities for a student interested in medical school. The timeline includes when to take the MCAT, do shadowing & professional development and apply to medical school. This map should be seen as an example. Please see a Pre-Med Academy advisor to design your personal pre-med pathway.

Fall yr. 1 (Freshman)	Hrs.
General Biology I with lab (BIOL 1306/1106)	4
General Chemistry I with lab (CHEM 1311/1111)	4
English Composition I (ENGL 1301)	3
Intro Sociology (SOCI 1301)	3
<i>Campus Clubs & Community Service</i>	

Spring yr. 1 (Freshman)	Hrs.
General Biology II with lab (BIOL 1307/1107)	4
General Chemistry II with lab (CHEM 1312/1112)	4
Statistics (MATH 1342)	3
English Composition II (ENGL 1302)	3
<i>Campus Clubs & Community Service</i>	

Summer I
<i>Shadow Doctors & Community Service</i>

Fall yr. 2 (Sophomore)	Hrs.
College Physics I with lab (PHYS 1301/1101)	4
Organic Chemistry I with lab (CHEM 3342/3143)	4
Intro to Psychology (PSYC 1301)	3
<i>Shadow Doctors & Leadership Experience</i>	
<i>Research (optional) & Extracurricular Activities</i>	

Spring yr. 2 (Sophomore)	Hrs.
College Physics II with lab (PHYS 1302/1101)	4
Organic Chemistry II with lab (CHEM 3344/3145)	4
Advanced Biology Elective	3-4
<i>Shadow Doctors & Leadership Experience</i>	
<i>Research (optional) & Extracurricular Activities</i>	

Summer II
<i>Shadow Doctors & Community Service</i>
Begin MCAT Preparation

Fall yr. 3 (Junior)	Hrs.
Advanced Biology Elective	3-4
Biochemistry I with lab (CHEM 4334/4135)	4
<i>Shadow Doctors, Community Service, Leadership</i>	
Personal Essay writing	
Study for the MCAT	

Spring yr. 3 (Junior)	Hrs.
Advanced Biology Elective	3-4
Biochemistry II (CHEM 4336)	3
<i>Shadow Doctors, Community Service, Leadership</i>	
Letters of Recommendation/Essay writing	
Study & Take MCAT	

Summer III
Apply to medical schools, TMDAS, AMCAS, and/or AACOMAS by June 15 th

Fall yr. 4 (Senior)	Hrs.
Finish Remaining Degree Requirements	
<i>Shadow Doctors, Community Service, Leadership</i>	
Medical School Interviews	
Pre-Match Offers Extended	

Spring yr. 4 (Senior)	Hrs.
Finish Remaining Degree Requirements	
<i>Shadow Doctors, Community Service, Leadership</i>	
Match Date (Informed by TMDAS)	
Graduation	