

### Why study Great Texts?

Because technical information is continually becoming outdated, a physician's most urgent need is often practical wisdom. Discerning how to connect specific people and situations to general principles (practical wisdom), is one primary skill developed by the study of Great Texts. By reading texts from the intellectual tradition that gave rise to modern science and medicine, you can become a scientist, rather than a mere technician. Discover the Great Conversation that unites the discernment of truth with growth in moral imagination.

Prerequisite coursework found on this planner indicates only the recommended minimum requirements for most medical schools in the U.S. Students who perform well in additional science courses are more likely to be viewed as outstanding professional school applicants. Some prerequisites may be in progress or planned for the following semester when application is made. However, this policy varies by school. Applicants should be familiar with the intricacies of the medical profession in order to have the best chance for admission. Selection criteria include **Academic Performance** (such as the overall GPA, BCPM GPA [Biology, Chemistry, Physics, Math & Statistics], MCAT score, etc.), **Professional Preparation** (experiential background, community service, and volunteer work), and **Other Factors** (including research, internships, personal maturity, professional preparation, the personal statement essay, etc.). Medical schools selection committees will assess all characteristics of each applicant, cognitive as well as non-cognitive. Factors such as high intellectual ability, evidence of a strong interest in medicine, a high level of personal integrity, varied and relevant experiences, and demonstrated leadership and service to others indicate a student's preparedness for both medical school admission and navigation of the medical school curriculum once accepted.

### **MCAT Sections**

- Biological & Biochemical Foundations of Living Systems
- Chemical & Physical Foundations of Biological Systems
- Psychological, Social, & Biological Foundations of Behavior
- Critical Analysis & Reasoning Skills

In order to prepare for the MCAT2015, students should consider the content in each section and plan coursework accordingly. Knowledge and use of the concepts in psychology, sociology, biology, research methods, and statistics that provide a solid foundation for the behavioral and socio-cultural determinants of health and health outcomes (will be tested). **Recommended courses include: Psychological, Social, & Biological Foundations of Behavior section includes PSY 1305 (Introductory Psychology), SOC 1305 (Introduction to Sociology), SOC 4353 (Sociology of Medicine), ANT 1305 (Introduction to Anthropology), and PHI/MH 1307 (Critical Thinking)**

<sup>1</sup> **PHP 1105 is required for students who wish to participate in the Committee Interview process;** PHP/MH 1106 or 1105 are prerequisites for PHP 2105. Prehealth Professions (PHP) classes are highly recommended electives for professional school preparation. Most PHP classes are offered in both fall and spring semesters.

<sup>2</sup>Students choosing **BIO 4307** for the Biochemistry requirement may take it following CHE 3331. However, **CHE 4341** requires CHE 3331 and 3332, and is required for certain majors/minors.

\*While some medical schools will accept either Calculus (MTH 1321), or Statistics (STA 1380 [Elementary Statistics] or 2381[Introductory Statistical Methods]), both Physics (1408/1409 or 1420/1430) sequences have prerequisite requirements of MTH 1320 (Precalculus) or MTH 1321 respectively.

\*\* Although BIO 2306 (Genetics) is not an upper level BIO for Baylor University curriculum, professional schools accept it as such in the application prerequisites requirements. It is highly recommended by most medical schools in the U. S. The 2 semesters of advanced BIO and 2 semesters of PHY can be switched to accommodate students' course credits, majors and/or special programs.

\*\*\*The BIO 2106 lab may not be required for all majors. It is the student's choice whether or not to include it in their curriculum.

\*\*\*\***Suggested Advanced Level BIO courses include, but are not limited to:**

BIO 3330 (Medical Genetics), BIO 3422 (Human Physiology), BIO 3425 (Human Anatomy), BIO 4301(Immunology), BIO 4306 (Molecular Genetics), BIO 4106 (Molecular Genetics Lab), BIO 4307(Biochemistry& Physiology of the Cell), BIO 4107 (Lab), BIO 4401 (General Microbiology), BIO 4426 (Vertebrate Histology), etc.

**Application Websites:**

**[www.aamc.org](http://www.aamc.org)**

**[www.amcas.org](http://www.amcas.org)**

**[www.tmdsas.com](http://www.tmdsas.com)**

<b>FRESHMAN</b>			
<b>FALL</b>		<b>SPRING</b>	
<i>Pre-Medical</i>	<i>GTX</i>	<i>Pre-Medical</i>	<i>GTX</i>
BIO 1305-Modern Concepts of Bioscience <sup>+</sup>	GTX 1301 (Optional)	BIO 1306-Modern Concepts of Bioscience <sup>+</sup>	GTX 2301
BIO 1105-Modern Concepts of Bio Lab		BIO 1106-Modern Concepts of Bio Lab	
CHE 1301-Basic Principles of Modern Chem I		CHE 1302-Basic Principles of Modern Chem II	
CHE 1101-General Chemistry Lab I		CHE 1102-General Chemistry Lab II	
MTH 1321-Calculus I*		STA 2381-Intro Statistical Methods (preferred)*	
PHP 1105 (Required for PreHealth Committee) <sup>1</sup>			

<b>SOPHOMORE</b>			
<b>FALL</b>		<b>SPRING</b>	
<i>Pre-Medical</i>	<i>GTX</i>	<i>Pre-Medical</i>	<i>GTX</i>
BIO 2306-Genetics or other advanced BIO**	GTX 2302	BIO-Advanced-level BIO****	GTX 3000-4000 Level Elective
CHE 3331-Organic Chemistry I		CHE 3332-Organic Chemistry II	
PSY 1305		CHE 3238-Organic Chemistry Lab	
PHP 2105 <sup>1</sup>		SOC 1305	
		Begin MCAT Preparation	

<b>JUNIOR</b>			
<b>FALL</b>		<b>SPRING</b>	
<i>Pre-Medical</i>	<i>GTX</i>	<i>Pre-Medical</i>	<i>GTX</i>
BIO 4307-Biochemistry & Phys. Of the Cell <sup>2</sup> <del>-or- CHE 4341-General Biochemistry<sup>2</sup></del>	GTX 3320	BIO-Additional Advanced-Level BIO recommended****	GTX 3321
PHY 1408-General Physics for Natural & Behavioral Physics I <del>-or- 1420 General Physics I</del>		PHY 1409-General Physics for Natural & Behavioral Physics II <del>-or-1421 General Physics II</del>	
Continue MCAT Preparation		Take MCAT Exam	
Begin Prehealth Committee Process <sup>1</sup>		Begin Medical School Applications	

<b>SENIOR</b>			
<b>FALL</b>		<b>SPRING</b>	
<i>Pre-Medical</i>	<i>GTX</i>	<i>Pre-Medical</i>	<i>GTX</i>
Complete Degree Requirements	GTX 4320	Complete Degree Requirements	GTX 4321
	GTX 3000-4000 Level Elective (Unless GTX 1301 is taken)	Graduate	GTX 4343

Note: Adjustments can be made to either the Premedical or Honors course sequence, but students are encouraged to discuss such adjustments with the appropriate advisor ahead of time