

**This 4-Year Planner offers a recommended course sequence for GTX students who are preparing for Medical School. As you pursue your Baylor education, please keep in mind the broader requirements for your Degree and Major (i.e. BBA, BSEd, BS, BA, etc.) and the Premedicine sequence.**

### 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Because technical information is continually becoming outdated, a physician's most urgent need is often practical wisdom.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.

### **A note from the Office of Prehealth Studies:**

*NOTE: Students who plan to apply to medical schools bear the ultimate responsibility of determining specific coursework required for each school where application is to be made.*

Prerequisite coursework found on the 4 Year 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, the science GPA, the 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.

\*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 1321 respectively.

<sup>1</sup> Prehealth Professions (PHP) classes are highly recommended electives for professional school preparation. PHP/MH 1106, PHP 1105 & PHP 2105 are offered in both fall and spring; PHP/MH 1106 or 1105 are prerequisites for PHP 2105. PHP 1105 is required for participation in the Prehealth Committee.

\*\* 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' 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 3429 (Comparative Chordate Anatomy), BIO 4301(Immunology), BIO 4306Molecular Genetics), BIO 4106 (Mol Gen Lab), BIO 4307(Biochemistry & Physiology of the Cell), BIO 4107 (Lab), BIO 4401 (General Microbiology), BIO 4426 (Vertebrate Histology), etc.

The new MCAT, beginning in 2015, will have 4 sections: Biological & Biochemical Foundations of Living Systems, Chemical & Physical Foundations of Biological Systems, Psychological, Social, & Biological Foundations of Behavior<sup>1</sup>, and Critical Analysis & Reasoning Skills

The 4 sections will constitute 4 numbered scores. 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 course choices 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).**

Updated 4/7/2014 (LBH)

**FRESHMAN**

FALL: Pre-Med	GTX	SPRING: Pre-Med	GTX
BIO 1305-Modern Concepts of Bio	GTX 1301 (Optional)	BIO 1306-Modern Concepts of Bio	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)		PHP/MH 1106 (Recommended)	

**SOPHOMORE**

FALL: Pre-Med	GTX	SPRING: Pre-Med	GTX
CHE 3331-Organic Chemistry I	GTX 2302	CHE 3332-Organic Chemistry II	GTX 3000-4000 Level Elective
BIO 2306 – Genetics or other advanced BIO**		CHE 3238-Organic Chemistry Lab	
PHP 2105 (Recommended)		BIO-Advanced level BIO***	
SOC 1305, PSY 1305, SOC 4353, ANT 1305 <u>-or-</u> PHI/MH 1307 (Recommended for MCAT)		SOC 1305, PSY 1305, SOC 4353, ANT 1305 <u>-or-</u> PHI/MH 1307 (Recommended for MCAT)	

**JUNIOR**

FALL: Pre-Med	GTX	SPRING: Pre-Med	GTX
PHY 1408- Gen. Physics for Natural & Behavioral Physics I <u>-or-</u> 1420-General Physics I	GTX 3320	PHY 1409- Gen. Physics for Natural & Behavioral Physics II <u>-or-</u> 1430-General Physics II	GTX 3321
CHE 4341-General Biochemistry <u>-or-</u> BIO 4307-Biochemistry & Phys. of the Cell		BIO-Additional advanced level BIO recommended ***	
NOTE: Students choosing BIO 4307 for the Biochemistry requirement may take it with or following CHE 333. However, CHE 4341 is required for certain majors/minors.		Complete MCAT Preparation and Take MCAT Exam	
Begin MCAT Preparation		Begin Applications	
Begin Prehealth Committee Process			

**SENIOR**

FALL: Pre-Med	GTX	SPRING: Pre-Med	GTX
	GTX 4320	Complete Degree Requirements	GTX 4321
Complete Degree Requirements	GTX 3000-4000 Level Elective (Unless GTX1301 is taken)	Graduate	GTX 4343

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