

This 4-Year Planner offers a recommended course sequence for Honors Program students preparing for Medical School. As you pursue your Baylor education, keep in mind the requirements for your Degree and Major, the prerequisites for Medical School, and the Honors Program.

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.

¹ **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.

² 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.

^{*} **WHICH BIOLOGY CLASS SHOULD YOU TAKE?** (Guidance from the Biology Dept.)

- Students who score a 5 on the AP Biology exam AND who believe that their BIO knowledge is strong
→ progress immediately to BIO 2306 (override from Biology Dept. if score note yet available)
If no seats are open in BIO 2306, students should begin their Physics sequence
- Students who completed a strong BIO course during one of the last 2 years of high school (whether AP or not)
→ enroll in BIO 1305 Honors.
- Students who have *not* completed high school BIO coursework in the last 2 years of high school or who for any reason feel ill-prepared to join BIO 1305 Honors
→ enroll in BIO 1305 regular sections.

HONORS PROGRAM REQUIREMENTS	
Lower-level Honors Units⁺⁺ <ul style="list-style-type: none"> FYS strongly recommended during first semester Honors Biology, Chemistry, Physics, Psychology, and/or Calculus recommended for students with sufficient background or ability 	5 Units (usually during the first 4 semesters)
Great Texts , GTX 2301 & 2302	2 semesters
Honors Colloquium , HON 3200	1 semester
Upper-level Honors Units⁺⁺ <ul style="list-style-type: none"> 3000- and 4000-level classes for Honors credit Research Design, HON 3455, or a second Honors Colloquium, HON 3201, can count towards these units 	3 Units (usually during the last 4 semesters)
Advanced Reading and Research , HON 3100 & 3101	2 semesters
Thesis Hours , HON 4V87 <ul style="list-style-type: none"> Usually taken for 2 credit hours each semester of senior year. 	2 semesters

⁺⁺ These may overlap with recommended Premedical courses

Application Websites:

www.aamc.org

www.amcas.org

www.tmdsas.com

Standard Honors Thesis Track

Students who follow this track will complete their thesis during their senior year, possibly after submitting Medical School applications.

FRESHMAN					
FALL			SPRING		
Pre-Medical	BIC	Honors	Pre-Medical	BIC	Honors
BIO 1305-Modern Concepts of Bioscience*	BIC 1212	Lower-Level Unit** (BIC 1314)	BIO 1306-Modern Concepts of Bioscience*	BIC 1324	Lower-level Unit** (BIC 1324)
BIO 1105-Modern Concepts of Bio Lab	BIC 1314		BIO 1106-Modern Concepts of Bio Lab	BIC 1323 (in place of PHI1307 Critical Thinking)	
CHE 1301-Basic Principles of Modern Chem I	BIC 1413		CHE 1302-Basic Principles of Modern Chem II		
CHE 1101-General Chemistry Lab I			CHE 1102-General Chemistry Lab II		
PHP 1105 (Required for PreHealth Committee) ¹			MTH 1321-Calculus I*		

SOPHOMORE						
FALL			SPRING			
Pre-Medical	BIC	Honors	Pre-Medical	BIC	Honors	
BIO 2306-Genetics or other advanced BIO**	BIC 2330	Lower-Level Unit** (BIC 2330)	BIO-Advanced-level BIO****	BIC 2344	HON 3200 (Colloquium)	
BIO 2106-Genetics Lab***	BIC 2334		Lower-Level Unit** (BIC 2334)	CHE 3332-Organic Chemistry II	BIC 2340 (in place of SOC 1305)	Lower-Level Unit** (BIC 2340)
CHE 3331-Organic Chemistry I				CHE 3238-Organic Chemistry Lab		Lower-Level Unit** (BIC 2344)
STA 2381-Intro Statistical Methods (preferred)*				Begin MCAT Preparation		
PHP 2105 ¹						

JUNIOR							
FALL			SPRING				
Pre-Medical	BIC	Honors	Pre-Medical	BIC	Honors		
BIO 4307-Biochemistry & Phys. Of the Cell ² -or- CHE 4341-General Biochemistry ²	BIC 3358 (any semester)	HON 3100	BIO-Additional Advanced-Level BIO recommended****		HON 3101		
PHY 1408-General Physics for Natural & Behavioral Physics I -or- 1420 General Physics I		Upper-Level Unit**	PHY 1409-General Physics for Natural & Behavioral Physics II -or- 1421 General Physics II		Take MCAT Exam	Upper-Level Unit**	
PSY 1305							
Continue MCAT Preparation							Begin Medical School Applications
Begin Prehealth Committee Process ¹							

SENIOR					
FALL			SPRING		
Pre-Medical	BIC	Honors	Pre-Medical	BIC	Honors
Complete Degree Requirements	BIC 4374 (BA Only)	HON 4V87 (2 hours)	Complete Degree Requirements	BIC 4389 (BA Only)	HON 4V87 (2 hours)
		Upper-Level Unit**	Graduate		Defend Thesis

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

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 BIC 1323 (in place of PHI/MH 1307 Critical Thinking), BIC 2340 (in place of SOC 1305), PSY 1305 (Introductory Psychology), SOC 4353 (Sociology of Medicine), and ANT 1305 (Introduction to Anthropology).**