

FRESHMAN YEAR	Fall	Spring	Summer
	BIO 1305-Modern Concepts of Bioscience	BIO 1306-Modern Concepts of Bioscience (continued)	
	BIO 1105-Modern Concepts of Bioscience Laboratory	BIO 1106-Modern Concepts of Bioscience Laboratory	
	CHE 1301-Basic Principles of Modern Chemistry I	CHE 1302-Basic Principles of Modern Chemistry II	
	CHE 1101-General Chemistry Laboratory I	CHE 1102-General Chemistry Laboratory II	
	MTH 1321-Calculus I*	STA 2381- -Introductory Statistical Methods (preferred)*	
	<i>PHP 1105¹-Foundations of Medicine</i>	<i>PHP 1206¹-Prehealth Professional Development (Elective)</i>	

SOPHOMORE YEAR	Fall	Spring	Summer
	CHE 3331-Organic Chemistry I	CHE 3332-Organic Chemistry II	
		CHE 3238-Organic Chemistry Laboratory	
	Advanced BIO**	Advanced BIO**	
	PSY 1305- Introductory Psychology (recommended)	SOC 1305-Introductory Sociology (recommended)	

JUNIOR YEAR	Fall	Spring	Summer
	PHY 1408- General Physics for Natural & Behavioral Physics I or 1420-General Physics I	PHY 1409- General Physics for Natural & Behavioral Physics II or 1430-General Physics II	
	CHE 4341-General Biochemistry	Advanced BIO (optional- See Note)	
	NOTE: Students choosing BIO 4307 for the Biochem requirement may take it following 2 semesters of Intro BIO, BIO 2306 & CHE 3331. However, CHE 4341 requires CHE 3331 and 3332, and is required for certain majors/minors.	<i>Complete MCAT Preparation & Take Exam</i>	
	<i>Begin MCAT Prep</i>	<i>Begin Applications</i>	

SENIOR YEAR	FALL	Spring	Summer
	<i>Complete Degree Requirements</i>	<i>Complete Degree Requirements</i>	
		<i>Graduate</i>	

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. Physics and organic chemistry may be moved from the junior to the sophomore year to accommodate mapping for certain majors. For non-science majors, it is recommended that students plan to take 20 hours of Biology before application to med school.

The sequencing above prepares a student for application in the junior year of college. If needed or desired, students may apply in their senior year instead, in which case a “gap year” would necessitate additional planning. Many science courses are offered in summer at Baylor, and provide an additional option for those wishing to apply in the junior year.

Prerequisites found on this planner indicate only the recommended minimum coursework for most medical schools in the U.S. Students who perform well in additional science courses beyond the recommended minimum, such as advanced Biology, are more likely to be viewed as more competitive 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 must be familiar with the intricacies of the medical profession in order to have the best chance for admission. Selection criteria include: **Academic Performance** (including the overall GPA, BCPM*** GPA, MCAT score, and rigor of study), **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 various 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/ 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*), STA 2381(*Introductory Statistical Methods*) OR PSY 2402 (*Statistics*), the Physics sequences (1408/1409 or 1420/1430) require MTH 1320 (*Precalculus*) or 1321 respectively.

¹ PHP 1105 (*Foundations of Medicine*) is required for premed students who wish to participate in the Committee Interview process; PHP 1206 (*Premedical Professional Development*) is highly recommended for professional school preparation. PHP 1105 and PHP 1206 can be taken in either the fall or spring semester.

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

BIO 2306 (*Genetics*), BIO 3330 (*Medical Genetics*), BIO 3322 (*Human Physiology*), BIO 4432 (*General Human Anatomy*), BIO 4301(*Immunology*), BIO 4320 (*Pathophysiology*), BIO 4302 (*General Microbiology*), BIO 4426 (*Vertebrate Histology*), etc.

***Biology, Chemistry, Physics, Math & Statistics

In order to prepare for the **MCAT**, students should consider the content in each section: [Biological & Biochemical Foundations of Living Systems; Chemical & Physical Foundations of Biological Systems; Psychological, Social, & Biological Foundations of Behavior; Critical Analysis & Reasoning Skills] 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 social science courses for the 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 1307 (Critical Thinking)

Important Websites:

<https://www.aamc.org/> (Association of American Medical Colleges)

<https://www.tmdsas.com> (Texas Medical and Dental School Application Service)

<https://aacomas.liaisoncas.com> (American Association of Colleges of Osteopathic Medicine)