Baylor University

Premedical & Honors Program
Early Research Option

2022-2023

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	*Honors*	*Pre-Medical*	*Honors*
BIO 1305 & 1105- Modern Concepts of Bioscience & Lab or BIO 1405	First Year Seminar	BIO 1306 & 1106 – Modern Concepts of Bioscience & Lab or BIO 1406	GTX 2301-Honors section
CHE 1301 & 1101- Basic Principles of Modern Chem I & Lab	Lower-level Unit Recommend BIO/CHE for qualified students	CHE 1302 & 1102- Basic Principles of Modern Chem II & Lab	Lower-level Unit Recommend BIO/CHE for qualified students
MTH 1321-Calculus I	Pre-health group advising for Honors	STA 2381 or Statistics course required by major [2]	BIO 1125-H1 – Research Seminar
PHP 1105-Foundations of Medicine (any semester) [1]			

SOPHOMORE			
FALL		**SPRING**	
Pre-Medical	*Honors*	*Pre-Medical*	*Honors*
BIO 2306-Genetics or other advanced BIO [3]	GTX 2302-Honors section	BIO-Advanced-level BIO (BIO 3342 for CMB) [3]	HON 3200 (Colloquium)
BIO 2106-Genetics Lab (if required)	Lower-Level Unit	CHE 3332 & 3238-Organic Chemistry II & Lab	Lower-Level Unit
CHE 3331-Organic Chemistry I*		SOC 1305 (any semester prior to MCAT)	HON 3100
PSY 1305 (any semester prior to MCAT)			

* Chemistry and Biochemistry majors take CHE 2416 concurrent with CHE 3331.

JUNIOR			
FALL		**SPRING**	
Pre-Medical	*Honors*	*Pre-Medical*	*Honors*
CHE 4341-General Biochemistry	HON 3101	BIO-Additional Advanced-Level BIO recommended [3]	HON 4V87 (2 hours)
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-** 1430 General Physics II	Upper-Level Unit
Begin Prehealth Committee process [1]		Take MCAT Exam	
MCAT Preparation		Begin Medical School Applications	

SENIOR			
FALL		**SPRING**	
Pre-Medical	*Honors*	*Pre-Medical*	*Honors*
Complete Degree Requirements	HON 4V87 (2 hours) Defend Thesis	Complete Degree Requirements	HON 4088 – Exit Review
	Upper-Level Unit	Graduate	

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

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Prepared by Honors Program
Reviewed by Office of Prehealth Studies
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Baylor University Premedical & Honors Program Early Research Option 2022-2023

This guide offers a recommended course sequence for Honors Program students preparing for medical school. The courses listed indicate only the **MINIMUM requirements** for most medical schools in the U.S. and is not designed for any specific major. Students who plan to apply for medical school bear the ultimate responsibility of determining specific coursework required for their application and must fulfill the requirements for their degree and major in order to graduate.

Each medical school determines its own course requirements for admission. While there is significant similarity among the medical schools, differences do occur. Students should refer to the respective medical school's website for the official and most current requirements.

Biological Sciences	14 semester hours (12 semester hours of lecture & 2 hours of lab)
General Chemistry	8 semester hours (6 hours of lecture & 2 hours of lab)
Organic Chemistry	8 semester hours (6 hours of lecture & 2 hours of lab)
Biochemistry	3 semester hours
Physics	8 semester hours (6 semester hours of lecture & 2 hours of lab)
English	6 semester hours (GTX 2301, GTX 2302, & PWR 3300 are accepted by Texas medical schools as English credit)
Statistics	3 semester hours

*A note on AP credit: AP credit is only accepted if the school granting the credit lists the specific courses and number of credits granted per course on an official transcript. Some medical schools do NOT accept any AP credit. Verify if a medical school accepts AP credit by checking their website.

HONORS PROGRAM REQUIREMENTS	
Lower-level Honors Units • FYS strongly recommended during first semester • **Honors Biology, Chemistry, Physics, and/or Calculus *strongly* 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 • 3000- and 4000-level classes for Honors credit • Certain upper-level BIO often offered as Honors sections and are recommended for Pre-Med students.	3 Units, usually during the last 4 semesters
Advanced Reading and Research, HON 3100 & 3101	2 semesters
Thesis Hours, HON 4V87 • Usually taken for 2 credit hours each for two semesters	2 semesters

[1] Students must receive credit for **PHP 1105** (Foundations of Medicine) in order to participate in the Prehealth Committee process.

[2] STA 1380, 2381, 3381, 4372, 4382, 4385, 4386, PSY 2402, 4400 are accepted by Texas Medical Schools. Students should confirm the major appropriate Statistics course with their academic advisor, as some majors require a specific course.

[3] Suggested Advanced Level BIO courses include, but are not limited to: **BIO 3322** (Human Physiology), **BIO 3122** (Human Physiology Lab), **BIO 3330** (Medical Genetics), **BIO 3342** (Molecular Cell Biology), **BIO 4302** (General Microbiology), **BIO 4102** (General Microbiology Lab), **BIO 4306** (Molecular Genetics & Genomics), **BIO 4106** (Molecular Genetics & Genomics Lab), **BIO 4320** (Pathophysiology), **BIO 4354** (Neglected Tropical Diseases), **BIO 4426** (Vertebrate Histology), **BIO 4432** (General Human Anatomy). // Per Biology Dept. policy, BIO 3342 cannot be taken if a student has credit for CHE 4341, BIO 4307, or BIO 4308.

******This guide is not a substitute for an advising appointment. Students should communicate with their advisor(s) on a regular basis and discuss any major schedule changes******

Application Websites: **www.aamc.org** **aacomas.liaisoncas.com** **www.tmdsas.com**

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