Standard University Scholars 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* | *UNSC / Honors* | *Pre-Medical* | *UNSC / Honors* |
| BIO 1305 & 1105 - Modern Concepts of Bioscience & Lab | First Year Seminar and/or Honors BIO / CHE | BIO 1306 & 1106 - Modern Concepts of Bioscience & Lab | GTX 2302-UNSC |
| GTX 2301-UNSC |  | Lower-level Honors Unit |
| CHE 1301 & 1101 -Basic Principles of Modern Chem I & Lab |  | CHE 1302 & 1102 - Basic Principles of Modern Chem II & Lab |  |
| MTH 1321-Calculus I | STA 2381-Intro Statistical Methods, or other accepted statistics class2 |
| PHP 1105-Foundations of Medicine (any semester) 1 |  |

|  |
| --- |
| SOPHOMORE |
| **FALL** | **SPRING** |
| *Pre-Medical* | *UNSC / Honors* | *Pre-Medical* | *UNSC / Honors* |
| BIO 2306-Genetics or other advanced BIO 3 | UNSC 3301 (fall/spring) | BIO-Advanced-level BIO (BIO 3342 for CMB) 3 | HON 3200 (fall/spring) |
| CHE 3331-Organic Chemistry I | Lower-Level Honors Unit | CHE 3332-Organic Chemistry II | Lower-Level Honors Unit |
| PSY 1305 (any semester prior to MCAT) |  | CHE 3238-Organic Chemistry Lab |  |
|  | SOC 1305 (any semester prior to MCAT) |

|  |
| --- |
| JUNIOR |
| **FALL** | **SPRING** |
| *Pre-Medical* | *Honors* | *Pre-Medical* | *Honors* |
| CHE 4341-General Biochemistry | HON 3100 | BIO-Additional Advanced-Level BIO recommended 3 | HON 3101 |
| PHY 1408-General Physics for Natural & Behavioral Physics I **-or-** 1420 General Physics I | UNSC 3001 Exit Interview (2 Upper-Level Honors Units) | PHY 1409-General Physics for Natural & Behavioral Physics II **-or-** 1430 General Physics II | Lower or Upper-Level Honors Unit |
| MCAT Preparation |  | Take MCAT Exam |
| Begin Prehealth Committee Process 1 | Begin Medical School Applications |

|  |
| --- |
| SENIOR |
| **FALL** | **SPRING** |
| *Pre-Medical* | *Honors* | *Pre-Medical* | *Honors* |
| Complete Degree Requirements | HON 4V87 (2 hours) | Complete Degree Requirements | HON 4V87 (2 hours) |
|  |  | 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

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 (Great Texts courses 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 recommended for students with sufficient background or ability**
 | 5 Units (usually during the first 4 semesters) |
| **Great Texts**, GTX 2301 & 2302, UNSC 3301 | 3 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 | 1-2 semesters  |
| **Thesis Hours**, HON 4V87* Usually taken for 2 credit hours each semester of senior year.
 | 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 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 4302** (Pathophysiology), **BIO 4354** (Neglected Tropical Diseases), **BIO 4426** (Vertebrate Histology), **BIO 4432** (General Human Anatomy)

***\*\*\*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