

**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 & 1105--<br>Modern Concepts of Bioscience & Lab or BIO 1405 | BIC 1112<br>BIC 1314 | Lower-Level Unit<br>(Possibly, group contract in BIC 1314) | BIO 1306 & 1106-<br>Modern Concepts of Bioscience & Lab or BIO 1406 | BIC 1323 | Lower-level Unit   |
| CHE 1301 & 1101 –<br>Basic Principles of Modern Chem I & Lab         | BIC 1313             | Pre-health group advising for Honors                       | CHE 1302 & 1102 –<br>Basic Principles of Modern Chem II & Lab       | BIC 1324 | Lower-level Unit<br>(Possibly, group contract in BIC 1324) |
| PHP 1105-Foundations of Medicine (any semester) <sup>1</sup>         |                      |  | 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<br>(BIC 2330) | BIO-Advanced-level BIO (BIO 3342 for CMB)    | BIC 2344  | HON 3200<br>(Colloquium)       |
| BIO 2106, Genetics Lab, if required for major.                                      | BIC 2334 | Lower-Level Unit<br>(BIC 2334) | CHE 3332 & 3238 - Organic Chemistry II & Lab | BIC 2340† | Lower-Level Unit<br>(BIC 2340) |
| CHE 3331-Organic Chemistry I*   |          |                                | Lower-Level Unit<br>(BIC 2344)               |           |                                |
| STA 2381-Intro Statistical Methods, or other accepted statistics class <sup>2</sup> |          |                                |  |           |                                |

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

† BIC prehealth students take BIC 2340 instead of SOC 1305

| JUNIOR   |                            |                  |  |     |                  |
|--|----------------------------|------------------|--|-----|------------------|
| FALL   |                            |                  | SPRING   |     |                  |
| Pre-Medical  | BIC                        | Honors           | Pre-Medical  | BIC | Honors           |
| CHE 4341-General Biochemistry  | BIC 3358<br>(any semester) | HON 3100         | BIO-Additional Advanced-Level BIO recommended  |     | HON 3101         |
| PHY 1408-General Physics for Nat. & Behavioral Physics I -or- 1420 General Physics I |                            | Upper-Level Unit | PHY 1409-General Physics for Nat. & Behavioral Physics II -or- 1430 General Physics II |     | Upper-Level Unit |
| PSY 1305<br>(can be taken any semester prior to MCAT)                                |                            |                  | Take MCAT Exam   |     |                  |
| MCAT Preparation   |                            |                  | Begin Medical School Applications  |     |                  |
| Begin Prehealth Committee Process <sup>3</sup>                                       |                            |                  |  |     |                  |

| SENIOR                       |                      |                       |                              |                      |                       |
|------------------------------|----------------------|-----------------------|------------------------------|----------------------|-----------------------|
| FALL                         |                      |                       | SPRING                       |                      |                       |
| Pre-Medical                  | BIC                  | Honors                | Pre-Medical                  | BIC                  | Honors                |
| Complete Degree Requirements | BIC 4374 or BIC 4389 | HON 4V87<br>(2 hours) | Complete Degree Requirements | BIC 4374 or BIC 4389 | HON 4V87<br>(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



This guide offers a recommended course sequence for Honors Program students in the BIC 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.

|                            |   |
|----------------------------|---|
| <b>Biological Sciences</b> | 14 semester hours (12 semester hours of lecture & 2 hours of lab)   |
| <b>General Chemistry</b>   | 8 semester hours (6 hours of lecture & 2 hours of lab)  |
| <b>Organic Chemistry</b>   | 8 semester hours (6 hours of lecture & 2 hours of lab)  |
| <b>Biochemistry</b>        | 3 semester hours  |
| <b>Physics</b>             | 8 semester hours (6 semester hours of lecture & 2 hours of lab)   |
| <b>English</b>             | 6 semester hours (BIC 1313, 1314, 1323, 1324, 2334, 2344 are accepted by Texas medical schools as English credit) |
| <b>Statistics</b>          | 3 semester hours  |

\*BIC Social World courses more than sufficiently cover the social/behavioral sciences material that is on the MCAT.

\*\*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.

| <b>HONORS PROGRAM REQUIREMENTS</b>   |   |
|--|---|
| <b>Lower-level Honors Units</b> <ul style="list-style-type: none"> <li>FYS, Honors sections, and/or group contracts in BIC are usually used by Hon students. Students can earn up to 6 Honors units through BIC group contracts.</li> <li><b>Honors Biology, Chemistry, Physics, and/or Calculus <i>strongly</i> recommended for students with sufficient background or ability</b></li> </ul> | 7 Units<br>(usually during the first 4 semesters) |
| <b>Honors Colloquium, HON 3200</b>   | 1 semester  |
| <b>Upper-level Honors Units</b> <ul style="list-style-type: none"> <li>3000- and 4000-level classes for Honors credit</li> <li>Certain upper-level BIO are offered as Honors sections and recommended for Pre-Med students</li> </ul>  | 3 Units<br>(usually during the last 4 semesters)  |
| <b>Advanced Reading and Research, HON 3100 &amp; 3101</b>  | 2 semesters                                       |
| <b>Thesis Hours, HON 4V87</b> <ul style="list-style-type: none"> <li>Usually taken for 2 credit hours each for two semesters</li> </ul>  | 2 semesters                                       |

<sup>1</sup> Students must receive credit for **PHP 1105** (Foundations of Medicine) in order to participate in the [Prehealth Committee process](#). *Pre-Med students are strongly encouraged to take PHP 1105 during their Freshman year.* PHP 1105 is a New Student Experience course each Fall semester, intended for entering Freshmen.

<sup>2</sup> 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.

<sup>3</sup> 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](http://www.aamc.org)      [aacomas.liasoncas.com](http://aacomas.liasoncas.com)      [www.tmdsas.com](http://www.tmdsas.com)