

# PRE-OPTOMETRY

## Course Requirements for Optometry Schools in Texas

*A 'C' or better is required in all coursework*

*\*Program requirements may change without notice and vary with each school; you are still responsible for checking schools' websites for admissions information. Please see your academic advisor to further explore the requirements of the schools in which you are interested.\**

### University of Houston

BIOL 1710 General Biology I (3hrs)  
 BIOL 1720 General Biology II (3hrs)  
 BIOL 1760 General Biology lab (2hrs)  
 CHEM 1410/1430 General Chemistry I (4hrs)  
 CHEM 1420/1440 General Chemistry II (4hrs)  
 BIOL 2041/2042 Microbiology (4hrs)  
 General Physics I (4hrs)\*  
 General Physics II (4hrs)\*  
 MATH 1710 Calculus I (4hrs)

See UNT catalog for prerequisites

Advanced BIOL courses (8hrs) from following:

3hrs must be from a 3000/4000 level human anatomy or physiology course—BIOL 3800 will meet this requirement; the 4510 Lab is encouraged to be taken, but not required.

5hrs must be from a 3000/4000 level human systems-focused biology course

Approved courses include:

BIOL 3451/3452 Genetics (4hrs)  
 BIOL 3510/3520 Cell Biology (4hrs)  
 BIOL 4201/4202 Immunology (4hrs)  
 BIOL 4751 Neuroscience I (3hrs)  
 BIOL 4110 Endocrinology (3hrs)

CHEM 2370/3210 Organic Chemistry I (4hrs)  
 BIOC 3621 Principles of Biochemistry (3hrs)  
 or BIOC 4540 Biochemistry I (3hrs)  
 MATH 1680 Elementary Probability & Statistics (3hrs)  
 PSYC 1630 General Psychology I (3hrs)

Bachelor's degree is required before admission

\*Courses should be equivalent to those required for biological science majors.

### University of the Incarnate Word

BIOL 1710 General Biology I (3hrs)  
 BIOL 1760 General Biology lab (2hrs)  
 BIOL 2301/2311 Human Anatomy & Physiology (4hrs)  
 -One of the following can sub for the A&P I requirement:  
 BIOL 1720 (1760 must be taken), BIOL 3510/3520 Cell Biology,  
 or BIOL 3451/3452 Genetics  
 CHEM 1410/1430 General Chemistry I (4hrs)  
 CHEM 1420/1440 General Chemistry II (4hrs)  
 BIOL 2041/2042 Microbiology (4hrs)  
 CHEM 2370/3210 Organic Chemistry I (4hrs)  
 BIOC 3621 Principles of Biochemistry (3hrs)  
 or BIOC 4540 Biochemistry I (3hrs)  
 or BIOC 4570 Biochemistry and Molecular Biology of the Gene (3hrs)  
 General Physics I (4hrs)  
 General Physics II (4hrs)  
 MATH 1680 Probability & Statistics (3hrs)  
 MATH 1710 Calculus I (4hrs)

See UNT catalog for prerequisites

PSYC 1630 General Psychology I (3hrs)  
 ENGL 1310 College Writing I (3hrs)  
 ENGL 1320 College Writing II (3hrs)

\*Recommended Courses:

BIOL 2302/2312 Human Anatomy & Physiology II (4 Hours)  
 PHIL 2600 Ethics in Science (3hrs)

\*Additional coursework for students WITHOUT a bachelor's degree:

6 hours of humanities (theology, philosophy, history, foreign language, literature, or art)

6 hours of Behavioral & Social Science (sociology, psychology, political science, history, anthropology, geography, economics, or communication)

Scan the QR code for more information on the Pre-Optometry Pathway and how to be a competitive applicant for admission.



# Mapping the Pre-Optometry Journey

With the help of your pre-health advisor, use the prerequisite courses listed on the previous page to create an individual plan for your pre-optometry ambitions. **NOTE: This is not an official plan, advising record, or degree audit. Please review the proposed course timeline with your degree plan advisor to ensure you have the correct courses to graduate.**

FALL _____	Hrs.	SPRING _____	Hrs.

SUMMER I	Hrs.	SUMMER II	Hrs.

FALL _____	Hrs.	SPRING _____	Hrs.

SUMMER I	Hrs.	SUMMER II	Hrs.

FALL _____	Hrs.	SPRING _____	Hrs.

**Fall Timeline (before applying)**

- Attend HPAC Seminar
- Begin Preparing for OAT Exam

**Spring Timeline (before applying)**

- Participate in HPAC
- Prepare for/Take the OAT

**Summer of Application Year:** Take the OAT Exam by August | OptomCAS Application opens in early June or July.

FALL _____	Hrs.	SPRING _____	Hrs.

## Need Advising?

To contact your pre-health advisor, please visit:

<https://cos.unt.edu/advising/contact-your-advisor/health-professions-advisors>

**General Email: [Healthcareers@unt.edu](mailto:Healthcareers@unt.edu)**

To schedule an appointment, please visit: <https://unt.navigate.eab.com/>

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