

PREOPTOMETRY PLANNER

2018-2019

FRESHMAN YEAR	Fall	Spring	Summer
BIO 1305-Modern Concepts of Bioscience		BIO 1306-Modern Concepts of Bioscience (continued)	<i>Gain and document experience in an optometry setting</i>
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 1320- Precalculus (if needed)		MTH 1321- Calculus	
ENG 1302- Thinking & Writing		ENG 1304-Thinking, Writing, & Research	
PHP/1206- Prehealth Professional Development (Elective)			

SOPHOMORE YEAR	Fall	Spring	Summer
CHE 3331-Organic Chemistry I		CHE 3332-Organic Chemistry II	<i>Continue to gain and document experience in an optometry setting</i>
BIO 3429- Comparative Chordate Anatomy or 3425-Human Anatomy*		CHE 3238-Organic Chemistry Laboratory	
STA 2381- -Introductory Statistical Methods (preferred) *Some schools may accept other stats classes		BIO 4301 (+4101 lab if needed)- General Microbiology	
		PSY 1305- Introductory Psychology	

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	<i>Begin OAT Prep/Review</i>
BIO 3322 (+3122 lab if needed)- Human Physiology*		CHE 4341- (General Biochemistry)	

SENIOR YEAR	Fall	Spring	Summer
<i>OAT PREP/Take exam</i>		<i>Graduate</i>	
<i>Apply to optometry schools by their individual due dates for matriculation consideration</i>			

* 8 hours of junior/senior-level biology courses are required. Advanced anatomy and/or advanced physiology (higher than A&P I or II) are recommended. Courses such as plant physiology, ecology, biodiversity, biotechnology will not be accepted for the required hours in advanced BIO.

Students who plan to apply to optometry schools bear the ultimate responsibility of determining specific coursework required for each school where application is to be made.

Although some schools of optometry require only one semester of organic chemistry with lab, Baylor does not currently offer a lab with the first semester course, CHE 3331.

Prerequisite coursework found on the 4 Year Planner indicates only the minimum requirements for most optometry schools in the U.S. Students who perform well in additional science classes are more likely to be viewed as satisfactory professional school applicants.

Applicants should be familiar with the intricacies of the optometry profession in order to have the best chance for admission. Selection criteria include **Academic Performance** (such as the overall GPA, the science GPA, the OAT score, etc.), **Professional Preparation** (experiential background, community service, and volunteer work), and **Other Factors** (including internships, personal maturity, professional preparation, etc.)

Optometry schools' selection committees will assess all characteristics of each applicant, cognitive as well as non-cognitive. Factors such as high intellectual ability, evidence of a strong interest in optometry, a high level of personal integrity, varied and relevant experiences, and demonstrated leadership and service to others indicate a student's preparedness for both optometry school admission and navigation of the optometry school curriculum once accepted.

The OAT consists of four tests: **Survey of the Natural Sciences (Biology, General Chemistry, and Organic Chemistry)**, **Reading Comprehension**, **Physics** and **Quantitative Reasoning**

OptomCAS (<http://www.optomcas.org/>) Optometry Centralized Application Service

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