

# Careers in Optometry



## Career Services

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*Explore. Experience. Engage.*

### ADMISSION REQUIREMENTS

The Association of Schools and Colleges of Optometry (ASCO) offers contact information on each US optometry school via [www.opted.org](http://www.opted.org), which has links to each optometry school.

Admissions officers assess each candidate's **academic preparation**, including undergraduate coursework, GPA and scores on the Optometry Admission Test (OAT), as well as their **professional potential** (via biographic information, knowledge of the profession and personal characteristics). These can be communicated in the candidate's application, letters of reference and an admissions interview. Optometry schools seek to admit students from a diversity of backgrounds.

There are seventeen US schools of optometry which offer a four-year program leading to the professional degree of Doctor of Optometry (OD). These include the **University of Houston** in Texas and schools in Alabama, California, Florida, Illinois, Indiana, Massachusetts, Michigan, Missouri, New York, Oklahoma, Ohio, Oregon, Pennsylvania, Puerto Rico and Tennessee. Admission requirements for schools of optometry vary. Most accepted applicants have completed at least three years of undergraduate study and a large majority has earned a bachelor's degree. Potential applicants should check the latest catalog or web site for each school to determine prerequisites.

**Pre-requisite courses** typically include:

- Calculus/mathematics
- General chemistry (with lab)
- General biology (with lab)
- Microbiology/bacteriology
- Physics (with lab)
- Organic chemistry (with lab)
- English composition or literature
- Statistics
- Psychology

Some schools also require or recommend:

- Biochemistry
- Human anatomy/physiology (with lab)
- Microbiology lab

### The Optometry Admission Test (OAT)

This exam, required for admission to all US optometry schools, consists of four sections: Survey of the Natural Sciences, Reading Comprehension, Physics and Quantitative Reasoning. The Quantitative Reasoning Test presumes knowledge of basic mathematics, algebra, numerical calculations (fractions and decimals, percentages, approximations and scientific notation), probability and statistics, geometry, trigonometry and word problems (applied math); Reading Comprehension is designed to reproduce reading experiences similar to studying an optometry science textbook; the Survey of Natural Sciences consists of items from basic first year biology and general and organic chemistry emphasizing problem-solving rather than simple recall; the Physics section is also constructed to evaluate problem-solving ability. At least one year of college education, which should include courses in biology, general chemistry, organic chemistry and physics, is required prior to taking the OAT. Most students, however, elect to complete two or more years of college prior to taking the exam.

The OAT exam is computerized and examinees are allowed to take the OAT an unlimited number of times but must wait at least 90 days between testing dates. However, only scores from the four most recent attempts and the total number of attempts will be reported. OAT registration bulletins are available online at [www.opted.org](http://www.opted.org), as is a sample test and tutorial. The OAT is administered by Thompson Prometric in its nationwide testing centers. Registered exam takers will receive instructions to call a toll-free number to arrange the day, time and place to take the OAT at a Prometric Testing Center. A complete list of testing centers, including the one in Austin, is available at [www.prometric.com](http://www.prometric.com).

### Non-Academic Requirements

Admissions committees are interested in each applicant's personal characteristics, such as their demonstrated ability to communicate successfully with others, their motivation to be an optometrist, maturity and interest in serving others. These qualities are assessed through the information the applicant provides in the application essay, letters of reference and the personal interview.

**Letters of reference** (two or three) from some combination of the applicant's instructors, supervisors,

extracurricular advisors or optometry professional are required to provide more information on each candidate.

**A personal statement** or some other form of a written narrative is usually part of each school's application. The essay provides candidates the opportunity to describe the process and experience by which they decided to become an optometrist as well as other academic and life experiences which have helped them develop as a person. Career Services can critique application essays on request.

**Interviews** are required of applicants whom the admissions committee views as most competitive for admission. The interview facilitates assessment of the applicant and affords the chance to tour the campus, meet with faculty and currently enrolled students and learn about financial aid and housing.

### THE APPLICATION PROCESS

There is no centralized application service for optometry; students must contact individual schools directly to obtain an application for admission and financial aid. The University of Houston requires an application form, transcripts, letters of recommendation from undergraduate faculty and OAT scores. Refer to the ASCO website for contact information for each school. In general, schools and colleges of optometry begin accepting applications in August or September for their classes that begin the following Fall. Application deadlines vary from November to April; however, students are encouraged to apply well in advance of deadlines. Many schools begin offering acceptances as early as October or November.

### DOCTORS OF OPTOMETRY

Optometrists are the major providers of vision care in America. They are educated, clinically trained and state licensed to examine, diagnose and treat conditions of the vision system and recognize symptoms of eye diseases and general health problems that require referral to other health specialists. All optometrists provide general eye and vision care through general practice or through more specialized practice in contact lenses, geriatrics, low vision services (for visually impaired patients), occupational vision (to protect and preserve workers' vision and minimize eye strain), pediatrics, sports vision and vision therapy. Others may choose to enter optometry education and/or perform scientific research.

The majority of optometrists work in private or group practice. Others are employed in hospitals, research institutes or public health agencies or teach in colleges and universities. The demand for optometrists is expected to remain strong, particularly as the population ages. Most full-time optometrists work about 40 hours a week. Many work weekends and evenings to suit the needs of patients. Emergency calls, once uncommon, have increased with the passage of

therapeutic-drug laws expanding optometrists' ability to prescribe medications.

Median annual earnings of salaried optometrists were \$91,040 in May 2006. The middle 50 percent earned between \$66,530 and \$118,490. Median annual earnings of salaried optometrists in offices of optometrists were \$86,760. Salaried optometrists tend to earn more initially than do optometrists who set up their own practices. In the long run, however, those in private practice usually earn more. According to the American Optometric Association, median net annual income for all optometrists, including the self-employed, was \$105,000 in 2006. The middle 50 percent earned between \$84,000 and \$150,000.

Many optometry schools encourage prospective applicants to seek out activities and experiences that will help them confirm optometry as their career choice. Career Services can provide alumni contact information for current or former optometrists.

### Related Occupations

Optometrists should not be confused with ophthalmologists or dispensing opticians. Ophthalmologists are physicians who perform eye surgery, as well as diagnose and treat eye diseases and injuries. Like optometrists, they also examine eyes and prescribe eyeglasses and contact lenses. Dispensing opticians fit and adjust eyeglasses and, in some states, may fit contact lenses according to prescriptions written by ophthalmologists or optometrists.

### ADDITIONAL RESOURCES

The Texas Optometric Association  
<http://texas.optometry.net/public/career/index.asp>

The American Optometric Association  
<http://www.aoa.org>

The American Optometric Student Association  
[www.theosa.org/post\\_graduation/Careers.htm](http://www.theosa.org/post_graduation/Careers.htm)

Student Doctor.net Optometry Forums  
[www.studentdoctor.net](http://www.studentdoctor.net) (click on Optometry in side menu)

*Adapted from  
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