

Ph.D.

VISION SCIENCE for O.D. Graduates

BECOME A CLINICIAN-SCIENTIST

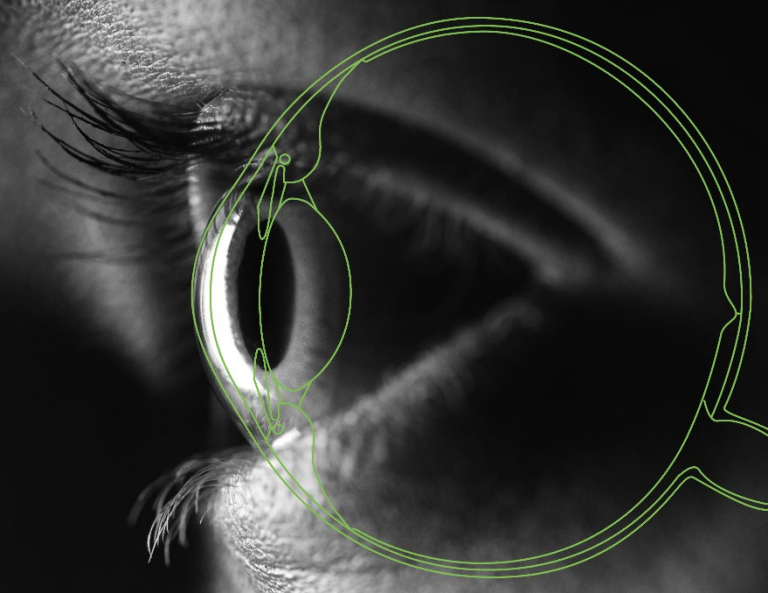
The Vision Science Graduate Program Ph.D. program welcomes O.D. graduates from North American optometric institutions who are interested in becoming rigorously trained clinician-scientists. Many of these clinicians have held NIH sponsored career development awards to support their research and offset educational debts via NIH Loan Repayment Programs.

Participate in patient-centered clinical and translational studies investigating mechanisms underlying ocular diseases and visual system disorders. A Ph.D. in Vision Science can prepare you for a career optometric education and leadership, industry, and more.



SCHOOL OF OPTOMETRY

The University of Alabama at Birmingham



DEGREE SNAPSHOT

Core Curriculum

- Coursework customized to O.D. background
- Statistics
- Scientific Integrity
- Vision Science Literature Review

Electives University-wide courses available

Clinical and Translational Research Opportunities

- Vision therapy for children with amblyopia
- Identifying molecular biomarkers in meibomian gland dysfunction and dry eye disease
- Mechanisms of myopia progression and control
- Traumatic brain injury and sports-related concussion
- Basic science research also available

Dissertation Research

- Lab rotations as needed
- Mentor selection
- Develop research project
- Publish at least one first-author peer-reviewed research publication
- Write and defend dissertation

Average time to completion = 4-5 years