

School of Optometry

Administration

School of Optometry

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For an up-to-date organizational chart of Indiana University Administration please [visit](#).

Overview

Purposes

The following are major purposes of the optometry program:

- to qualify men and women for the practice of optometry
- to instill in the graduate a scientific and professional attitude
- to provide a background for the graduate's contribution to the civic and social welfare of the community
- to encourage and facilitate graduate and postgraduate study in optometry and vision science
- to encourage and facilitate research in the clinical aspects of optometry and in the fundamental sciences germane to optometry
- to contribute to the scientific and professional literature
- to train men and women as optometric technicians and/or opticians

Geographical Distribution of Students

Students enrolled in the School of Optometry's optometry, vision science, and optician/technician programs represent approximately 30 states and several foreign countries.

History

In 1951, the General Assembly of the State of Indiana established a program in optometry at Indiana University. The first year of preoptometry courses was offered

beginning in the fall semester of 1951–52, the first professional courses were offered in 1953–54, and the first Master of Optometry (M.Opt.) degrees were awarded in 1956. In recognition of the vital role of vision research, the graduate degree programs in physiological optics were early priorities (M.S., 1953; Ph.D., 1955).

The program in optometry operated as a division of the university, with its degrees granted by the College of Arts and Sciences and the Graduate School, until the 1975–76 school year, at which time it became a degree-granting school of the university.

A continuous fund was created to support the establishment of the optometry program by adding a special fee to the annual license renewal fee of each practicing optometrist in Indiana. Additional funds and gifts, including a substantial collection of library books, were contributed through the auspices of the Indiana Optometric Association. As a permanent endowment program, the Optometry School Trust Fund was created as a division of the Indiana University Foundation for the general purpose of receiving and accepting gifts, bequests, pledges of money, etc., for the benefit of the optometric work to be carried on at Indiana University.

The building for the Division of Optometry and the Program in Physiological Optics was completed in 1967. This six-story, limestone-faced building is located on East Atwater Avenue and provides space for classrooms, laboratories, offices, student resource center, and supporting research and development activities. In 1992, the School of Optometry opened the Indianapolis Eye Care Center (IECC) in a newly constructed building at 501 Indiana Avenue in Indianapolis. Offering an expanded scope of patient care services, the IECC is located near the campus of Indiana University–Purdue University Indianapolis. Fourth-year optometry students receive additional clinical training through external rotations at locations such as Veterans Administration facilities, Indian Health Service clinics, military hospitals, and referral centers.

In 1971, in cooperation with the then-existing Division of General and Technical Studies of Indiana University, the School of Optometry established a two-year program for the preparation of optometric technicians. In 1980, the Indiana University School of Optometry established a two-year program for the training of opticians. In 1987, the School of Optometry combined the optician and technician programs into one. In 2013 a certificate program was initiated for the Optician/Technician program.

In 1995, a portion of the clinic in the Optometry Building was dedicated as the Borish Center for Ophthalmic Research. The center's mission is to abet and develop clinical and applied research support and to facilitate investigations in visual disorders, ocular pathologies, and systemic diseases that affect the eye and its adnexa. The Borish Center provides an arena for the development of clinical researchers in vision and for the training of graduate students, residents, and fellows.

Mission, Vision, and Goals

The **mission** of the School of Optometry is to protect, advance and promote the vision, eye care and health of people worldwide by:

- Preparing individuals for careers in optometry, the ophthalmic industry and vision science; and
- Advancing knowledge through teaching, research and service.

This will be accomplished through the Doctor of Optometry, Optician/Technician, residency and graduate programs.

Our **vision** is to achieve an integrated vision science and clinical training academic program that is a leader in translating discovery to patient care through teaching, research and service. This vision reinforces the Indiana University School of Optometry commitment to advancing and communicating knowledge of Optometry and Vision Science for the benefit of the state, the nation and the world.

The 2012-2017 **goals** of the School of Optometry focus on four areas:

- Create an environment that fosters excellence
- Advance optometric and vision science teaching
- Expand patient care resources and clinical training.
- Maintain high quality applicants to IUSO OD program.

Membership & Accreditation

The School of Optometry is a member of the [Association of Schools and Colleges of Optometry](#) and is accredited by the [Accreditation Council on Optometric Education of the American Optometric Association](#), the official optometric agency recognized by the National Commission on Accrediting, and by the Association of Regulatory Boards of Optometry. Optometry students and graduates are eligible to take the annual examinations of the [National Board of Examiners in Optometry](#). Optician/Technician Program graduates are eligible to take the registry examination of the American Optometric Association and may become certified by the American Board of Opticianry.

Degrees Offered

For more information, contact the Office of Student Administration, School of Optometry, Indiana University, 800 E. Atwater Avenue, Bloomington, IN 47405-3680; (812) 855-1917; e-mail iubopt@indiana.edu.

Bachelor of Science in Optometry (B.S.) (School of Optometry) For Early Admission Candidates
A Bachelor of Science degree is offered by the School of Optometry. It is available only to those students who have not completed a bachelor's degree before enrolling in the professional (O.D.) degree program. It requires a minimum of 90 credit hours to include satisfactory completion of all optometry prerequisites and of the course work specified in the section of this bulletin titled "Bachelor of Science in Optometry Degree."

Doctor of Optometry (O.D.) (School of Optometry)

The Doctor of Optometry degree is offered by the School of Optometry. It requires fulfillment of a bachelor's degree (before or after enrollment), including all preoptometry requirements and satisfactory completion of the four-year professional curriculum. The specific requirements are described in the section of this bulletin entitled "Doctor of Optometry Degree." Holders of this degree are eligible to apply for examinations for licensure by the Indiana

Optometry Board or by corresponding agencies in other states.

Master of Science and Doctor of Philosophy (M.S., Ph.D.) (University Graduate School)

Offered by the University Graduate School in conjunction with the School of Optometry, the two degree programs in vision science are designed primarily for those who wish to devote themselves to teaching and research in the field of vision.

Combined Degree Programs

Indiana University's Vision Science Program has a proud tradition of training more than 50 doctoral graduates and nearly 100 master's graduates who have gone on to productive academic or clinical careers. Many have held prestigious leadership positions in academia and national and/or international research organizations. Because of the increasing cost of higher education, it has become difficult for optometry graduates to pursue M.S. or Ph.D. degrees after completing optometry training. The Indiana University School of Optometry has developed combined degree programs in conjunction with the University Graduate School to allow students to work toward an M.S. or Ph.D. simultaneously with the O.D. degree. The two combined degree programs are designed to attract students interested in careers devoted to the creation of new knowledge in clinical and/or academic optometry. A number of financial support mechanisms are available.

Application for Degrees

The School of Optometry awards A.S., B.S., and O.D. degrees in May, June, August, and December. Candidates for these degrees should submit degree applications to the Office of Student Administration of the School of Optometry at least two months in advance of anticipated graduation. Candidates for the M.S. and Ph.D. degrees should consult the University Graduate School Bulletin.

Continuing Education

The School of Optometry offers continuing education to licensed optometrists several times each year. The offerings carry continuing education relicensure credit. The school has also developed courses accessible through the Internet to be taken for continuing education credit. For information on standard and online continuing education courses please visit the [Continuing Education homepage](#).

Inquiries should be addressed to: Office of Continuing Education, School of Optometry, Indiana University, 800 E. Atwater Avenue, Bloomington, IN 47405-3680; (812) 856-3502

Contact Information

[School of Optometry](#)
800 East Atwater Avenue
Bloomington, Indiana 47405-3680
(812) 855-4447
Fax: (812) 855-8664

opt@indiana.edu

Professional Optometry Degree Program (OD)

The Optometric Oath

With full deliberation I freely and solemnly pledge that:

- I will practice the art and science of optometry faithfully and conscientiously, and to the fullest scope of my competence.
- I will uphold and honorably promote by example and action the highest standards, ethics and ideals of my chosen profession and the honor of the degree, Doctor of Optometry, which has been granted me.
- I will provide professional care for those who seek my services, with concern, with compassion and with due regard for their human rights and dignity.
- I will place the treatment of those who seek my care above personal gain and strive to see that none shall lack for proper care.
- I will hold as privileged and inviolable all information entrusted to me in confidence by my patients.
- I will advise my patients fully and honestly of all which may serve to restore, maintain or enhance their vision and general health.
- I will strive continuously to broaden my knowledge and skills so that my patients may benefit from all new and efficacious means to enhance the care of human vision.
- I will share information cordially and unselfishly with my fellow optometrists and other professionals for the benefit of patients and the advancement of human knowledge and welfare.
- I will do my utmost to serve my community, my country and humankind as a citizen as well as an optometrist. I hereby commit myself to be steadfast in the performance of this my solemn oath and obligation.

— As adopted by the American Optometric Association and the Association of Schools and Colleges of Optometry

Preoptometry Requirements

A total of 90 semester hours of college credit is required as a minimum for early admission to the School of Optometry; however, a bachelor's degree is strongly recommended. Preoptometry requirements must be completed by the time the student enters the School of Optometry. Students who already have a bachelor's degree with a major in a science field are often fully prepared for admission to the School of Optometry. Those with degrees in nonscience fields may find additional course work required. **Students must take their preoptometry course work from an accredited institution. Grades lower than a C in any preoptometry requirement will not be accepted. Each course meets just one requirement. All preoptometry requirements must have been completed within 10 years from the time when the student hopes to start the Doctor of Optometry program.**

Students entering with a bachelor's degree must have completed the following courses:

Subject Area	Min. sem. cr. hrs. req'd.	Comparable IU courses
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Biology/Zoology		
• Introductory, 4 with lab	4	L 112 and L 113
• Advanced (animal or developmental)	3	see recommended list below
• Microbiology, 4 with lab	4	M 250/M 315 or M 380/M 315
Chemistry		
• Organic (lab recommended)	3	C 341 (C 343)
• Inorganic, with labs	8	C 117/C 127 and N 330 or C 118
• Biochemistry 3 (can be listed under Biology)	3	CHEM-C 383, CHEM-C 483 or BIOL-M 350 (For Microbiology majors only)
Mathematics		
• One course	3	Any course or courses fulfilling IU Math modeling requirements
Physics		
• General	8	P 201 and P 202
Statistical Techniques and/or Experimental Design	3	STAT S 300 or S 303, PSY K 300 or K 310 SPEA K 300 or Econ E 370 or Math K 310
Psychology, Introductory	3	P 101 or P 106
Writing Skills - two courses; English Composition and an additional course with a strong writing component	6	W 131 and the Intensive Writing Requirement

Students entering the Indiana University School of Optometry without a bachelor's degree must have completed the following courses in addition to the above:

Subject Area	Min. sem. cr. hrs. req'd.
Arts and Humanities	6
Foreign Language	6
Social and Historical Studies	6
Additional Credits	as needed
Total Credits	90

Of the 90 credit hours, at least 12 must be at the 300-400 level. A maximum of 60 semester hours may be taken at a community college.

Credit Hours Required	IU Courses
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Advanced**Biology:**

Vertebrate or Human Anatomy with lab	5	ANAT-A 215
Physiology with lab	5	PHSL-P 215

Other**Recommended****Elective****Courses:**

Anatomy and Physiology of the Eye	3	OPT-V 201
Small Business Management	3	BUS-X 100
Explore Entrepreneurship	3	BUS-W 212
Medical Terminology	2	CLAS-C 209
Histology	4	ANAT-A 464
Ethics	3	PHIL-P 140
Medical Sciences Intro to Anatomy & Physiology	3	MSCI-M 115
Independent Research	1-3	490 Series

None of the specified courses may be taken on a Pass/Fail basis. The credit hours required in the individual subjects are considered absolute minimums, which must be met or exceeded. If the credit hours in any subject total fewer than the minimum specified, the student should complete the next higher course in that subject. Quarter hours convert to semester hours by the following scale:

3 quarter hours = 2 semester hours
 4 quarter hours = 3 semester hours
 5 quarter hours = 3.33 semester hours
 6 quarter hours = 4 semester hours

For further information, contact the Office of Student Administration, School of Optometry, Indiana University, 800 E. Atwater Avenue, Bloomington, IN 474053680; (812) 855-1917; e-mail iubopt@indiana.edu.

Admission

- Application for Admission
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- Early Admit Process
- Transfer Admission
- Functional Standards and Expectations
- Admission Test
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Application for Admission

Qualified applicants are sought from all racial, ethnic, socioeconomic, and cultural groups in order to enhance the diversity of the class. The ideal candidates for the Doctor of Optometry degree should have demonstrated high scholastic ability, leadership, and a record of community and volunteer service. Applicants are judged on scholastic ability (demonstrated by college grades, high school class rank, and admission and aptitude

test scores). Written and oral communication skills are extremely important. The applicants' personal characteristics are evaluated through character references, interviews, amount and kind of extracurricular and leadership activities, work experience, and the narrative explaining why they chose optometry as a career.

An Admission Day visit is arranged for those applicants with the greatest potential for success in completing the program at the School of Optometry.

The Admissions Timetable

The regular application period for students entering with or without a bachelor's degree begins approximately on July 1 and ends on January 15th. It is recommended that our supplemental application (University Graduate School admissions application) also be completed at this time as well. Admission Day invitations begin in September and continues through April. A rolling admissions process is used, and the selection process is usually completed by June. A new class begins each fall.

Deposit Policy

Students admitted to the Doctor of Optometry program are required to pay an enrollment deposit of \$500. This fee is due as directed in admission letters before the start of the program. If the student enrolls in the IU School of Optometry, the deposit will be applied to the student's tuition. If the student does not enroll, the deposit is not refunded.

Early Admission Process

Students are encouraged to complete a bachelor's degree prior to entering the School of Optometry. Some exceptional students, however, can enter the optometry program after three years of undergraduate work, which can decrease the total years of university study to seven. Early decision is also available for these students. These students must have a minimum GPA of 3.6.

Admission to the School of Optometry under this process (after three years of undergraduate work) is conditional upon the following:

- Maintaining a cumulative minimum GPA 3.6.
- Obtaining a minimum score of 320 on the Quantitative and Total Science sections of the Optometry Admission Test, with no section score below 300. Students should plan to take the OAT for the first time in the spring/summer of their second year of college. Students who do not achieve this level in the spring of their second year can take the test again.
- Completing all the prerequisite courses for admission to the School of Optometry as outlined in this bulletin. Students must complete all preoptometry prerequisites as outlined in this bulletin including completion of four GENERAL EDUCATION course: two courses (6 cr. hrs) that satisfy the Breadth of Inquiry for Arts & Humanities and two courses (6 cr hrs.) that satisfy the Breadth of Inquiry for Social & Historical Studies. A minimum of two courses of foreign language are required. This requirement for an IU Bachelor of Science in Optometry may be met by placement examination. Students who have completed two or more years

of a single foreign language in high school with an average grade of C or above are exempt from this requirement.

If a student who is conditionally admitted under an early admission plan for acceptance after three years of undergraduate study fails to meet the above conditions but meets the conditions for acceptance after four years, the student will be accepted after four years.

Transfer Admission

The Indiana University School of Optometry does not admit students with advanced standing. Students may lose credits in transferring from another optometry program, and for this reason, transfer is generally not recommended.

The student must have a minimum cumulative average of B in the optometry curriculum, be in good standing with his or her present institution, and have a compelling reason for wanting to transfer to Indiana University's School of Optometry. No deficiencies in the Indiana University preoptometry requirements may exist at the time of admission.

Candidates for transfer must submit a statement of good standing from the dean of the school from which they are transferring. A regular application for admission should be submitted along with the statement of good standing and other documents specific to the transfer request.

Functional Standards and Expectations

The Indiana University School of Optometry expects that admitted students will be able to meet all of the functional standards for optometric education established by the Association of Schools and Colleges of Optometry. These standards require that students possess appropriate abilities in the following areas:

- **Observation Abilities:** The student must be able to acquire a defined level of knowledge as presented through lectures, laboratories, patient interaction, and self-study. Acquiring this body of information necessitates the functional use of visual, auditory, and somatic sensation enhanced by the use of other sensory modalities. Examples of these observational skills in which accurate information needs to be extracted in an efficient manner include:
 - Visual abilities (as they relate to such things as visual acuity, color vision, and binocularity)
 - Visualizing and reading information from papers, films, slides, video, and computer displays
 - Observing optical, anatomic, physiologic, and pharmacologic demonstrations and experiments
 - Discriminating microscopic images of tissue and microorganisms Observing a patient and noting nonverbal signs Discriminating numbers, images, and patterns associated with diagnostic tests and instruments
 - Visualizing specific ocular tissues in order to discern three-dimensional relationships, depth and color changes
- **Auditory Abilities:** Understanding verbal presentations in lecture, laboratory, and patient settings Recognizing and interpreting various sounds associated with laboratory experiments as well as diagnostic and therapeutic procedures
- **Tactile Abilities:**
 - Palpating the eye and related areas to determine the integrity of the underlying structures
 - Palpating and feeling certain cardiovascular pulses
- **Communication Abilities:** Students must be able to communicate effectively, efficiently, and sensitively with patients and their families, peers, staff, clinic faculty, and other members of the health care team. The student must be able to demonstrate established communication skills using traditional and alternative means. Examples of required communications skills include:
 - Relating effectively and sensitively to patients, conveying compassion and empathy
 - Perceiving verbal and nonverbal communication such as sadness, worry, agitation, and lack of comprehension from patients
 - Eliciting information from patients and observing changes in mood and activity
 - Communicating quickly, effectively, and efficiently in oral and written English with patients and other members of the health care team
 - Reading and legibly recording observations, test results, and management plans accurately
 - Completing assignments, patient records, and correspondence accurately and in a timely manner
- **Sensory and Motor Coordination Abilities:** Students must possess the sensory and motor skills necessary to perform an eye examination, including emergency care. In general, this requires sufficient exteroception sense (touch, pain, temperature), proprioceptive sense (position, pressure, movement, stereognosis, and vibratory), and fine motor function (significant coordination and manual dexterity using arms, wrists, hands and fingers). Examples of skills required include:
 - Instillation of ocular pharmaceutical agents
 - Insertion, removal, and manipulation of contact lenses
 - Assessment of blood pressure and pulse
 - Removal of foreign objects from the cornea
 - Simultaneous manipulation of lenses, instruments, and therapeutic agents and devices
 - Reasonable facility of movement
- **Intellectual—Conceptual, Integrative, and Quantitative Abilities:** Problem-solving, a most critical skill, is essential for optometric students and must be performed quickly, especially in emergency situations. In order to be an effective problem-solver, the student must be able to accurately and efficiently

use such abilities as measurement, calculation, and reasoning; analysis; judgment; investigation; memory; numerical reasoning; and synthesis.

Examples of these abilities include being able to:

- Determine appropriate questions to be asked and clinical tests to be performed
 - Identify and analyze significant findings from history, examination, and other test data
 - Demonstrate good judgment and provide a reasonable assessment, diagnosis, and management of patients
 - Retain, recall, and obtain information in an efficient manner
 - Identify and communicate the limits of one's knowledge and skill
- **Behavioral and Social Attributes:** The student must possess the necessary behavioral and social attributes for the study and practice of optometry. Examples of such attributes include:
- Satisfactory emotional health required for full utilization of one's intellectual ability
 - High ethical standards and integrity
 - An empathy with patients and concern for their welfare
 - Commitment to the optometric profession and its standards
 - Effective interpersonal relationships with patients, peers, and instructors
 - Professional demeanor
 - Effective functioning under varying degrees of stress and workload
 - Adaptability to changing environments and uncertainties inherent in patient care
 - Positive acceptance of suggestions and constructive criticism

Candidates with questions or concerns about how their own conditions or disabilities might affect their ability to meet the functional standards are encouraged to meet with an optometry school counselor before submitting an application.

Qualified applicants to the School of Optometry who have disabilities that might hinder them in achieving these standards can, if they are admitted, receive reasonable accommodation from the School of Optometry. This accommodation will be based on an evaluation of the disability conducted by Indiana University's Office of Disability Services for Students.

Admissions Test

Each applicant is required to take the Optometry Admission Test (OAT), which is designed to measure general academic ability and scientific knowledge. The test is given at various testing centers across the United States. Information concerning the test is available online at the [website of the Association of Schools and Colleges of Optometry](#), or by contacting the Optometry Admission Testing Program at 1-800-232-2159.

Note: Applicants must take the OAT for the first time before the February of the year in which they wish to enter. Applicants must provide OAT scores by February 1.

All applicants whose native language is not English are required to establish English proficiency. The Test of English as a Foreign Language (TOEFL) is preferred. For information concerning the TOEFL, write to TOEFL Educational Testing Service, P.O. Box 6151, Princeton, NJ 08541, or visit the [TOEFL website](#).

Degree Requirements

Doctor of Optometry (O.D.) Degree

The courses required for this degree are listed in the section of this bulletin entitled "Optometry Curriculum." All of the courses except those identified as electives must be completed. A baccalaureate degree is required prior to receiving the O.D. degree. The curricular requirements for preoptometry are described in the section of this bulletin entitled "Preoptometry Requirements."

Students are responsible for understanding all requirements for graduation and for completing them by the time they expect to graduate.

Optometry Curriculum

The curriculum includes instruction in all of the clinical and practical phases of optometry as well as in the theoretical and fundamental aspects of vision science. It requires four years of professional degree courses, including at least a three-week summer assignment before the third year.¹ The university schedules two regular academic semesters and two summer sessions. The regular fall semester includes 14 weeks and two days of instruction plus one week for final examinations; the spring semester includes 15 weeks of instruction plus one week for final examinations. Most optometry courses are scheduled for a full academic semester. Some, however, are scheduled for three, six, or eight weeks, and will be scheduled back-to-back with other courses that will be taken in the remaining weeks of the semester.

First Year

First Semester

V 501	Integrated Optometry I	2.0 cr.
V 521	Geometric and Visual Optics I	4.0 cr.
V 540	Ocular Biology I	4.0 cr.
V 542	Systems Approach to Biomedical Sciences I	6.0 cr.
V 550	Clinical Sciences I	3.0 cr.
V 554	Optometric Profession	0.5 cr.
	Total	19.5 cr.

Second Semester

V 502	Integrated Optometry II	2.0 cr.
V 523	Geometric and Visual Optics II	4.0 cr.
V 543	Systems Approach to Biomedical Sciences II	4.0 cr.

V 551	Clinical Sciences II: Motility & Refraction	3.0 cr.
V 552	Clinical Sciences II: Anterior Segment Exam. Techniques	2.0 cr.
V 560	Vision Science I: Perception	3.5 cr.
V 574	Intro to Epidemiology	2.0 cr
	Total	20.5 cr.

Second Year

First Semester

V 631	Optics III: Ophthalmic and Advanced Clinical Optics	4.0 cr.
V 642	General Pharmacology	4.0 cr.
V 652	Clinical Sciences III: Accommodation and Binocular Vision	3.0 cr.
V 653	Clinical Sciences III: Posterior Segment Examination Techniques	2.0 cr.
V 655	Optometric Profession	0.5 cr.
V 665	Vision Science II: Ocular Motility	2.5 cr.
V 678	Ophthalmic Dispensing	2.0 cr.
	Total	18.0 cr.

Second Semester

V 632	Optics IV: Optics of Ophthalmic and Contact Lenses	4.0 cr.
V 633	Contact Lenses	3.0 cr.
V 644	Ocular Disease I	3.0 cr.
V 646	Ocular Pharmacology	2.0 cr.
V 654	Clinical Sciences IV	4.0 cr.
V 666	Vision Science III: Binocular Vision	4.0 cr.
	Total	20.0 cr.

Summer

V 680	Introduction to Clinic	2.5 cr.
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Third Year

First Semester

V 701	Grand Rounds I	0.5 cr.
V 745	Ocular Disease II	3.0 cr.
V 748	Physical Assessment and Medicine	3.5 cr.
V 752	Advanced Contact Lens Topics I	2.0 cr.
V 756	Clinical Assessment I	1.0 cr.
V 781	Pediatric Optometry	3.0 cr.
V 786	Optometry Clinic ¹	2.5 cr.
V 787	Optometry Clinic ¹	2.5 cr.
	Total	18.0 cr.

Second Semester

V 702	Grand Rounds II	0.5 cr.
V 740	Ocular Disease: Advanced Clinical Procedures	2.0 cr.
V 746	Ocular Disease III: Neuro-Optometry	2.0 cr.
V 749	Ocular Disease IV: Applied Ocular Therapeutics	3.0 cr.
V 751	Low Vision Rehabilitation	3.0 cr.
V 757	Clinical Assessment II	1.0 cr.
V 754	Optometric Profession (Public Health, Policy, Legal, History and Ethical Issues)	1.0 cr.
V 758	Advanced Clinical Concepts in Binocular Vision and Pediatrics	2.0 cr.
V 759	Business Aspects of Optometry	2.0 cr.
V 788	Optometry Clinic	2.5 cr.
V 789	Optometry Clinic	2.5 cr.
	Total	21.5 cr.

Fourth Year

V 885	Optometry Clinic (Bloomington)	10.0 cr.
V 887	Extension Clinic (Indianapolis)	10.0 cr.
V 888	External Clinic	10.0 cr.
	Fourth Clinical Assignment (V 885, V 887, Or V 888)	10.0 cr.
	Total	40.0 cr.
	Overall Total	160.0 cr.

Note: Subject to change.

1. Elementary school vision-screening program assignments will be arranged.
2. Students in the final year of the program will spend 12 weeks at each of their four clinic rotations. Students are required to spend at least one rotation at either the Atwater Eye Care Center, V 885 or the Indianapolis Eye Care Center, V 887. The remaining three rotations can be spent at various external locations, V888.

Bachelor of Science (B.S.) in Optometry Degree

Students who enter the Doctor of Optometry (O.D.) program without an undergraduate degree will receive the B.S. in Optometry upon successful completion of the first two years of the four-year professional degree program. The following requirements, in addition to the preoptometry requirements and the courses in the first two years of the professional degree program, must be satisfied by the student seeking this degree:

- A minimum of 122 credit hours in courses that may be counted toward the B.A., B.S., or higher degree of one or more degree-granting divisions of the university.
- A minimum cumulative grade point average of 2.5.
- A minimum of 30 credit hours in courses at the 300 level or above.
- At least 30 credit hours of V-lettered courses, which are regularly offered by the School of Optometry and/or the Vision Science Graduate Program.
- A minimum of 60 credit hours at Indiana University, of which at least 26 credit hours, including not fewer than 10 credits in the V-lettered courses, must be completed in residence on the Bloomington campus.
- Courses taken on a Pass/Fail basis can be applied only as electives in meeting the degree requirements. The limit is a total of eight courses with two courses allowed per year.
- Not more than 60 credit hours earned in accredited junior colleges may be applied toward the degree.
- Not more than 10 credit hours earned through online study and/or special credit examination may be applied toward the degree, except by special permission of the dean.
- Work for a degree must be completed within six years from the time the student first registers in the university, except by special permission of the dean.

Academic Regulations

Semester Load

A student is not permitted to enroll in fewer than 12 credit hours during a fall or spring semester except with special permission from the dean.

Withdrawal from Individual Courses

Students must take the courses listed for the appropriate program semester. Any variation in their program is only with the permission of the Dean. Permission to drop a course will be given only for reasons of serious illness or significant extenuating circumstances. The desire to avoid a low grade is not an acceptable reason for withdrawal from a course. If a student withdraws with the dean's consent, the grade in the course will be W if the student is passing at the time of withdrawal. If the student is not passing at the time of withdrawal, the grade will be an F.

The grade will be recorded on the date of withdrawal. It should also be understood that withdrawal from a course will break the sequencing of courses and result in adding a year to the four year Doctor of Optometry program. When considering withdrawal from a course, a student should first consult with the Director of Student Administration or the Associate Dean of Students; who, in consultation with the faculty member, will take the students request to the Dean. If permission is granted, the Office of Student Administration will withdraw the student from the course.

Addition of Courses

No course may be added by students after the first two weeks of a semester or first week of a summer session or half semester unless the instructor of the course petitions that an exception be made and the request is approved by the dean.

Grades

The quality of a student's work is indicated by the following grades and numerical values:

A+ (4.00), A (4.00), A- (3.70) High degree of academic performance

B+ (3.30), B (3.00), B- (2.70) Above-average achievement

C+ (2.30), C (2.00), C- (1.70) Average achievement Any grade lower than a C in any course in the professional (O.D.) curriculum must be repeated.

D+ (1.30), D (1.00), D- (0.70) Passing work but below desired standards

F—Failure in a course or failure to complete a course without an authorized withdrawal. When a failing grade is recorded in an optometry course, the instructor(s) may require specific remedial procedures to be taken by the student before readmission to the course. The FX option is not accepted by the School of Optometry. Retaking and passing a failed course will, therefore, not remove the original grade of F from the student's record.

W—Withdrawn. Given automatically when the student, with the approval of the academic advisor and the dean, officially withdraws during the first eight weeks of a semester, first four weeks of a half-semester course, or first two weeks of a summer session. After these deadlines, the grade W is given in the instance of an approved and properly executed withdrawal only if the student is passing at the time of withdrawal.

R—Deferred Grade. Given when the grade determination will be deferred until completion of two or more terms of study, as with research or thesis courses. Also given either at the end of the first term of a two-term course or midway through a single course that overlaps two terms, when the course has been identified as one for a deferred grade in the Schedule of Classes. At the end of the final term in the sequence, the entry or entries R will be replaced with standard letter grades. Instructors will designate the standard grades on the rosters for the final term or by means of a form for removal of deferred grades.

I—Incomplete. May be given only when the work of the course is substantially completed and when the student's work is of passing quality. When an Incomplete is assigned, a record will be maintained in the Office of Student Administration of the School of Optometry. The record will include a statement of the reason for recording the Incomplete and an adequate guide for its removal, with a suggested final grade in the event of the departure or extended absence of the instructor from the campus.

A student must complete work required to have the Incomplete removed within one calendar year from the date of its recording, although the dean may authorize adjustment of this period in exceptional circumstances. An Incomplete that still stands after one calendar year is replaced by a grade of F.

Once a student has graduated, nothing in these regulations will prohibit the Incomplete from remaining on the record.

A student repeating a course must register for the course a second time. If any course to be repeated is a prerequisite to another course, the other course may not be taken until the prerequisite course is satisfactorily repeated.

Clinic Grades

Fourth-year rotation grades become official at the time of submission by the rotation preceptor. (Note: Grades for rotations ending mid-semester will be considered official prior to completion of the academic semester and online posting.) Academic standing will be assessed upon receipt of grades from the rotation preceptor at the completion of each fourth-year rotation.

Absences from Scheduled Classes

Illness is usually the only acceptable excuse for absence from class. Other absences must be explained to the satisfaction of the instructor, who will decide whether omitted work may be made up. The names of students who are excessively absent are to be reported by their instructors to the dean.

Absences from Final Examinations

A student who fails to attend the final examination of a course and who has a passing grade up to that time may be given a grade of Incomplete if the absence is explained to the instructor's satisfaction. A missed final examination for which there is no satisfactory excuse will be assigned a grade of F. When called upon, the Academic Review Committee of the School of Optometry will assist an instructor in weighing an excuse concerning absence from a final examination.

Academic Standing

The intent of the School of Optometry is that professional students be able to graduate after four years of instruction. In some cases, six years can be considered. Although primary responsibility rests with the student, the school will work to help all students maintain good academic standing and will seek out and attempt to provide remedial help for students who are having academic difficulties.

Good Academic Standing

The minimum standard for academic good standing is a semester and cumulative grade point average (GPA) of 2.50.

Probation

Academic probation results when any course grade is below a C, or if the semester or cumulative grade point average is below a 2.5. Continuation in the program requires approval by the Academic Review Committee.

Course Repeat

A course grade of C- or below is considered to be unacceptable and the course must be repeated. If a student does receive an unacceptable grade requiring

that the course be repeated the following year, the student must restart that semester the following year and repeat all courses for that semester in which a grade of C+ or below was received.

Academic Review

Students on probation will be evaluated by the Academic Review Committee to determine whether they can continue in the program. In many cases, the Academic Review Committee will make recommendations about help and remedial work that will make it possible for the student to achieve better academic performance. In some cases probation could result in dismissal.

Clinical Competence

At the end of the second year, students are required to pass a competency examination in preparation for the course V 680 Introduction to Clinic. A student who fails the competency examination must complete remediation and take the examination again. If the student fails any part of the competency twice, the student will not receive a passing grade for the course, will not be permitted to enter clinic and must repeat V 654. A student who does not ultimately pass the competency exam will be ineligible to continue.

Remediation

If a student receives a grade of less than a C in any third- or fourth-year clinic rotation, the student must enroll in and complete with a grade of C or better V 780 Clinical Skills Enhancement (third-year clinic remediation) or V 880 Clinical Skills Enhancement (fourth-year clinic remediation) prior to continuation of the third- or fourth-year clinic rotation.

A student who fails to complete V 780 or V 880 with a grade of C or better will be ineligible to continue.

If an intern is unable to continue with a clinical rotation for academic, clinical performance reasons and/or professional misconduct, the grade of F will be assigned, and the intern will be ineligible to continue.

Policies and procedures are explained in detail in the most recent [Indiana University School of Optometry Eye Care Centers Student Orientation Manual](#) (password required).

In addition to possible dismissal following Academic Review, dismissal can occur if:

- the student earns lower than a 1.00 GPA for any semester, regardless of cumulative GPA
- the student earns both lower than a 2.50 GPA in a semester and a recommendation by the Academic Review Committee
- the student has failed to complete V780 or V880 with a grade of C or higher
- the student has failed the clinical competency examination two times and recommendation by the Academic Review Committee.
- the student fails a clinical course after remediation; clinical courses are V 680, V 786, V 787, V 788, V 789, V 885, V 887, V 888
- the student has received a grade of F for a rotation during the fourth year

Academic Misconduct

Academic integrity is fundamental to the intellectual life of the university and to the education of each student.

The following acts of academic dishonesty are prohibited: cheating, fabrication, plagiarism, interference, and facilitating academic dishonesty. Proven academic misconduct is grounds for dismissal.

Honor Code

In 2013 the IUSO faculty and students adopted an [Honor Code](#). Annually, during incoming student Orientation, students will review and receive instruction on applying and adhering to the [Honor Code](#).

Professional Misconduct

Maintaining standards of professional conduct is essential to the integrity of the profession. Professional misconduct is strictly prohibited. This includes dishonest conduct (including, but not limited to, false accusation of misconduct; forgery; alteration or misuse of any university document, record, or identification; and giving to a university official any information known to be false) and use or possession of alcoholic beverages or illegal drugs on university property or during a university activity.

In addition, fraud and patient endangerment and abandonment will be grounds for dismissal. Standards for patient care procedures and for professional behavior in a clinical setting are detailed in the most recent Indiana University School of Optometry Eye Care Centers Student Orientation Manual.

Additional rules and regulations of the university are available in the [Code of Student Rights, Responsibilities, and Conduct](#) published by Indiana University. It is each student's responsibility to be aware of these regulations. Violation of the Code of Student Rights, Responsibilities, and Conduct may result in dismissal.

Academic Fairness Committee

The charge of the committee is to consider, arbitrate, and adjudicate grading disputes in cases of procedural errors and in cases where evaluation on nonacademic grounds is alleged.

The Academic Fairness Committee is composed of three students and three faculty members, chosen by the dean of the School of Optometry.

Issues dealing with substantive quality of the student's academic performance and involving intrinsic, professional, academic judgments by a faculty member lie outside the Committee's jurisdiction.

Courses

OPT-V 501 Integrated Optometry (2 cr.) This course sequence is offered over three semesters. Overall goal is to provide an integrated perspective of optometry in the paradigm of problem-based learning (PBL). The problems will be clinical cases (four-six cases per semester) which relate to the contents of courses taught contemporaneously in optics, biomedical, and ocular biology modules. Students will meet in small groups to discuss the problems guided by a faculty facilitator.

OPT-V 502 Integrated Optometry (2 cr.) This course sequence is offered over three semesters. Overall goal is to provide an integrated perspective of optometry in the paradigm of problem-based learning (PBL). The problems will be clinical cases (four-six cases per semester) which relate to the contents of courses taught

contemporaneously in optics, biomedical, and ocular biology modules. Students will meet in small groups to discuss the problems guided by a faculty facilitator.

OPT-V 521 Optics I: Geometric and Visual Optics (4 cr.) P: Calculus, Physics P 202, and enrollment in the School of Optometry or permission of instructor. Fundamentals of geometric and physical optics. Optical analysis of myopia, hyperopia, and astigmatism. Components of the eyes and their optical properties. Clinical instrumentation for optical measurement and diagnosis of eyes.

OPT-V 523 Optics II: Geometric and Visual Optics (4 cr.) P: V 521 or permission of instructor. Continuation of application of the principles of geometrical and physical optics to the optical description and correction of the eye. Schematic optical models of the eye. Measurement of light. Higher-order aberrations and their impact on vision.

OPT-V 540 Ocular Biology I (4 cr.) Head and neck neuroanatomy related to the normal functioning of the eye and visual system. Detailed anatomy/histology and physiology of the eye and adnexa. Maintenance of optical transparency and intraocular pressure. Phototransduction, retinal physiology, and the basis for the electroretinogram and electro-oculogram.

OPT-V 542 Systems Approach to Biomedical Sciences I (SABS-I) (6 cr.) This is the first of a three-semester sequence which presents basic science information organized into specific organ systems. The first module will cover common processes: basic biochemistry, cell and molecular biology, fundamentals of physiology, pharmacology, immunology/infection, and oncology. Subsequent modules are organized to discuss the structure, function, pathology and therapy for each organ system. These modules include: cardiovascular/pulmonary, renal, gastrointestinal, reproductive, neuromuscular-skeletal, endocrine, hematopoietic.

OPT-V 543 Systems Approach to Biomedical Sciences II (4 cr.) P: V 542. Continuation of SABS-I.

OPT-V 550 Clinical Sciences I (3 cr.) Introduction to clinical history and interview techniques, health history content, and medical record documentation as applied to the optometric setting; optometric and medical terminology, interview techniques for special populations, legal aspects of medical records, differential diagnosis of visual symptoms, introduction to physical assessment, slit lamp biomicroscopy and ophthalmoscopy.

OPT-V 551 Clinical Sciences I: Motility and Refraction (3 cr.) P: V 550 Vision examination techniques and theory. Application of vision testing instrumentation with emphasis on preliminary test, motility and refractive tests. The study of the principles involved in the measurement, epidemiology, and treatment of ametropia, oculomotor imbalances, and associated conditions.

OPT-V 552 Clinical Sciences II: Anterior Segment Examination Techniques (2 cr.) P: V 550 Introduction to techniques used to examine and evaluate the health of the anterior segment of the eye, including use of the slit lamp biomicroscope, clinical measurement of intra-ocular pressure, foreign body evaluation and removal. Other techniques will be introduced as appropriate.

OPT-V 554 Optometric Profession I (0.5 cr.) This is the first of a five-semester sequence which presents the optometric profession through the history of the profession, the fundamentals and principles of public health and optometry's role in the healthcare community, professionalism and ethics, cultural competency, current issues and professional affairs, licensure and scope of practice, and professional development. The course will be presented in seminar format.

OPT-V 560 Vision Science I (Perception) (3.5 cr.)

Provides an understanding of how visual performance is determined by the underlying biology of the eye and the brain. Topics include visual pathway, neuroanatomy and physiology, with special emphasis on the roles of receptive and neural sampling.

OPT-V 569 Selected Studies (elective, cr. arr. cr.)

Items of current scientific interest. Consideration given to students' special interests. May include writing of abstracts and reviews of current vision science literature. May be repeated for credit with permission of instructor.

OPT-V 574 Introduction to Epidemiology & Optometric Research (2 cr.)

Introduction to epidemiology and biostatistics, principles of epidemiological inquiry and research design, and the application of statistical methods to clinical data.

OPT-V 631 Optics III: Ophthalmic and Advanced Clinical Optics (4 cr.)

P: V 523 or permission of instructor. Design and application of ophthalmic spectacles and materials. Optics of low vision.

OPT-V 632 Optics IV: Optics of Ophthalmic and Contact Lenses (4 cr.)

P: V 631 or permission of instructor. Continuation of design and application of ophthalmic spectacles and materials. Optics of contact lenses. Objective refraction, fundus imaging, optics of diseased eyes, wavefront-based treatments.

OPT-V 633 Contact Lenses (3 cr.)

P: V 652 and V 653. Theory and practice of contact lenses. General principles of lens materials, design, care; examination, selection, fitting; diagnosis and treatment of lens wear problems; introduction to specialty fitting. Practical laboratory on lens handling, modification, and fitting.

OPT-V 642 General Pharmacology (4 cr.)

P: V 543. Basic principles of pharmacology. Mechanisms of action and side effects of: anti-inflammatory, autonomic, cardiovascular, autocoid, respiratory, CNS, anti-diabetic, chemotherapeutic, immune system, and GI drugs.

OPT-V 644 Ocular Disease I: Anterior Segment (3 cr.)

P: V 543. A detailed description of the signs, symptoms, differential diagnosis, and management of ocular disease of the anterior segment.

OPT-V 646 Ocular Pharmacology (2 cr.)

P: V 642. Medications used in treatment of ocular disease. Ocular effects of systemic medications.

OPT-V 652 Clinical Sciences III: Accommodation and Binocular Vision (3 cr.)

P: V 551 and V 552. Vision examination techniques and theory and application of vision testing instrumentation, with emphasis on accommodation and binocular vision; accommodation and vergence test findings as they relate to normal function,

subjective symptoms, and performance; theory and case analysis of no-strabismic binocular vision problems.

OPT-V 653 Clinical Sciences III: Posterior Segment Examination Techniques (2 cr.)

P: V551, V552. Introduction to techniques used to examine and evaluate the health of the posterior segment of the eye, including direct ophthalmoscopy, monocular and binocular indirect ophthalmoscopy, fundus biomicroscopy, three mirror gonioscopy, and posterior pole imaging techniques. Other techniques will be introduced as appropriate.

OPT-V 654 Clinical Sciences IV (4 cr.)

P: V 652 and V 653. Advanced clinical analysis, procedures, and protocols for examinations of patients in the clinical setting, and comprehensive eye and vision examinations with scheduled patients; patient assessment and plan, patient communication; introduction to clinical ocular disease and protocols.

OPT-V 665 Vision Science II: Ocular Motility (2.5 cr.)

Characteristics, control, and deficits of the five somatic eye-movement systems (convergence, saccadic version, pursuit version, fixation maintenance, vestibular reflex) and the autonomic systems subserving accommodation and pupillary diameter and reflexes.

OPT-V 666 Vision Science III Binocular Vision (4 cr.)

P: V 560, V 652 & V 665. This course is intended to prepare the student to manage the common binocular vision anomalies encountered in primary care optometry. The course will examine the anatomical, physiological, psychophysical, and oculomotor characteristics of normal binocularity in humans. The course will then present diagnosis and management strategies for both non-strabismic and strabismic patients.

OPT-V 678 Ophthalmic Dispensing Clinic (2 cr.)

Clinical experience in appropriate frame and lens selection, facial measurement for eye wear fitting, verification of finished prescription accuracy and spectacle alignment, adjusting and dispensing of eye wear for comfort and optical accuracy, and repair of eyewear.

OPT-V 680 Introduction to Clinic (Summer Clinic) (2.5 cr.)

P: Students must be in good academic standing, have completed all lecture and laboratory courses with a passing grade through the second professional year of study, and have passed the V 654 competency examination.

Introduction to clinical practice in visual analysis, optometric procedures, case conference; discussion and patient care for three 40-hour weeks during the summer, or the equivalent by arrangement.

OPT-V 701 Grand Rounds I (0.5 cr.)

Presentation of cases.

OPT-V 702 Grand Rounds II (0.5 cr.)

Presentation of cases.

OPT-V 740 Ocular Disease V: Advanced Clinical Procedures (2 cr.)

P: V 746 and V 788 C: V 749 This course will serve to introduce the student to advanced clinical procedures and treatment modalities used to evaluate and therapeutically treat the health of the anterior segment of the eye and its surrounding tissues.

OPT-V 745 Ocular Disease II: Posterior Segment (3 cr.)

P: V 644. A detailed description of the signs, symptoms,

differential diagnosis, and management of ocular disease of the posterior segment; neurological diseases affecting the eye; and application of ocular therapeutics.

OPT-V 746 Ocular Disease III (Neuro-Optometry) (2 cr.)

P: V 745. A detailed discussion of the signs, symptoms, differential diagnosis, and management of neurological diseases affecting the eye.

OPT-V 748 Principles and Methods of Physical Assessment and Medicine (3.5 cr.) P: V 680. Physical examination with emphasis on HEENT and neurological screening, and their relationship to ocular health conditions and medical management; clinical chemistry and interpretation of clinical laboratory tests; criteria for referral to other providers, and emergency office procedures.

OPT-V 749 Ocular Disease IV (Applied Ocular Therapeutics) (3 cr.) P: V 745 and V 748 The use, in clinical optometric practice, of legend drugs, lasers, and other therapeutic devices in the treatment and management of ocular disease.

OPT-V 751 Low Vision Rehabilitation (3 cr.) P: V 652 and V 654. Special examination procedures and patient management techniques for the visually impaired. Evaluations and prescriptions of optical, nonoptical, and electronic devices. Overview of rehabilitative services.

OPT-V 752 Advanced Contact Lens Topics I (2 cr.) P: V 633 Applications of contact lenses. This course covers the fitting and care of patients requiring specialty contact lenses and more difficult cases including, but not limited to, correcting astigmatism, tinted and cosmetic lenses, fitting the presbyopic patient, fitting infants and children, fitting keratoconic patients, fitting postsurgical and other distorted corneas; haptic lenses, cosmetic shells, and prosthetic eyes.

OPT-V 754 Optometric Profession (Public Health, Policy, Legal, History and Ethical Issues) (2 cr.) Introduction to the fundamentals and principles of public health; an overview of public and community health problems, planning, and care, with special attention to optometric and other visual aspects of variously identified segments of the community. Includes considerations of quality, efficiency, economics, and regulation of vision and health care delivery and utilization.

OPT-V 756 Clinical Assessment I (1 cr.) P: V 680. C: V 745. Introduction to clinical reasoning and formulation of differential diagnostic protocols for investigation of various visual problems.

OPT-V 758 Advanced Clinical Concepts in Binocular Vision and Pediatrics (2 cr.) P: V 666, V 680, V 781. The goal of this course is to provide the students with advanced knowledge in the areas of binocular vision and pediatrics. Topics covered will include clinical cases involving amblyopia, strabismus, infants, and vision therapy among others. Classes will be a mixture of case presentations and lecture. Students will have an enhanced understanding of how to diagnose and treat patients with these disorders upon completion of the course.

OPT-V 757 Clinical Assessment II (1 cr.) P: V 756. A continuation in the clinical reasoning and formulation of

differential diagnostic protocols for investigation of various visual problems.

OPT-V 759 Business Aspects of Optometry (2 cr.) The business of optometric practices and career opportunities and aspects of optometry.

OPT-V 780 Clinical Skills Enhancement-3rd (2-2.5 cr.) Increased supervision provided by clinical faculty for students having difficulty in areas of clinical performance.

OPT-V 781 Pediatric Optometry (3 cr.) P: V 666 and V680. Specialized diagnosis and management strategies for the infant and child. Topics to include refractive and binocular vision anomalies, disease, pharmacology and an Optometrist's role in assessment and management of visual perception, learning disabilities and reading problems. Communication with parents, educators and other professionals.

OPT-V 782 Preservation of Clinical Skills (3-5 cr.) P: V 680, V 786, V 787, V 788, and V 789 Supervision by Clinical Faculty on the clinic floor for students who did not receive a passing grade in a third year didactic course. Allows students to maintain clinical knowledge while they are completing third year coursework.

OPT-V 786 Optometry Clinic (3 cr.) P: V 680 with a minimum grade of C. Clinical practice in visual analysis, patient care, and optometric procedures. Case discussion and student evaluation on a daily basis. Patient care includes assisting patients with selection of suitable eye wear.

OPT-V 787 Optometry Clinic (3 cr.) P: V 786 with a minimum grade of C. A continuation of V 786. Clinical practice in visual analysis, patient care, and optometric procedures. Case discussion and student evaluation on a daily basis. Patient care includes assisting patients with selection of suitable eye wear.

OPT-V 788 Optometry Clinic (3 cr.) P: V 787 with a minimum grade of C. Clinical practice in visual analysis, patient care, and optometric procedures. Case discussion and student evaluation on a daily basis, case presentation by student interns. Patient care includes assisting patients with selection of suitable eye wear.

OPT-V 789 Optometry Clinic (3 cr.) P: V 788 with a minimum grade of C. Continuation of V 788. Clinical practice in visual analysis, patient care, and optometric procedures. Case discussion and student evaluation on a daily basis, case presentation by student interns. Patient care includes assisting patients with selection of suitable eye wear.

OPT-V 880 Clinical Skills Enhancement-4th year (5-10 cr.) Increased supervision provided by clinical faculty for students having difficulty in areas of clinical performance.

OPT-V 884 Optometry Clinic-Arranged (5 cr.) P: P: V 680, V 786, V 787, V 788, and V 789, as well as successful completion of all lecture and laboratory courses through the third professional year of study. Advanced clinical optometric training with emphasis on optometric specialties such as contact lens care, ocular disease

diagnosis/management, binocular vision analysis/therapy, and pediatrics.

OPT-V 885 Optometry Clinic (10 cr.) P: V 680, V 786, V 787, V 788, and V 789, as well as completion of all lecture and laboratory courses through the third professional year of study. Advanced clinical optometric training with emphasis on optometric specialties such as contact lens care, ocular disease diagnosis/ management, binocular vision analysis/ therapy, and pediatrics.

OPT-V 887 Extension Clinic (10 cr.) P: V 680, V 786, V 787, V 788, and V 789, as well as completion of all lecture and laboratory courses through the third professional year of study. An intensive, hands-on patient care experience at a large urban optometry clinic in Indianapolis. Includes experience in primary care as well as specialty services.

OPT-V 888 External Clinic (10 cr.) P: V 680, V 786, V 787, V 788, and V 789, as well as completion of all lecture and laboratory courses through the third professional year of study. An intensive, hands-on patient care experience at an affiliated external clinical site such as a military hospital, Veterans Administration medical facility, or referral eye center.

Residencies

After completing the Doctor of Optometry Program graduates may wish to further their clinical expertise by completing a residency in a specialty area. Residencies allow graduates to focus and expand their knowledge in a specific area of Optometry. Residency programs offer the opportunity to treat many challenging cases with guidance from top clinicians who are experts in the field.

Residencies provide the graduate with a level of expertise that expands their career opportunities. These opportunities may include interdisciplinary practices, clinical and hospital settings, as well as teaching opportunities in schools and colleges of optometry.

The Indiana University School of Optometry offers residencies in the areas of Cornea and Contact Lenses, Ocular Disease, Binocular Vision/Pediatrics, and Primary Care. The School also offers affiliated residencies in Primary Care and Ocular Disease located in Illinois, Indiana, Iowa, Kentucky, and West Virginia.

Indiana University directs all residencies through the office of Don W. Lyon, O.D. M.S., F.A.A.O., Director of Residencies, School of Optometry, Indiana University, 744 E. Third St., Bloomington, IN 47405-3680; (812) 856-1964. For information or applications, please contact the individual program coordinator or the office of the director of residencies. Information can also be found at the school's [website](#). To apply to any of the Indiana University School of Optometry residencies or affiliated residencies, please use the [Optometry Residency Match, ORMatch](#).

IU School of Optometry Residencies Cornea and Contact Lenses

Indiana University School of Optometry
800 E. Atwater Avenue Bloomington, IN 47405-3680
(812) 856-5699
Program Coordinator: Susan Kovacich, O.D.,
skovach@indiana.edu
Positions Available: 1

Ocular Disease

Indiana University School of Optometry
800 E. Atwater Avenue Bloomington, IN 47405-3680
(812) 856-4631
Program Coordinator: Jane Ann Grogg, O.D., F.A.A.O.,
jgrogg@indiana.edu
Positions Available: 1

Pediatric Optometry

Indiana University School of Optometry
800 E. Atwater Avenue Bloomington, IN 47405-3680
(812) 856-1964
Program Coordinator: Don W. Lyon, O.D., M.S., F.A.A.O.,
dwylyon@indiana.edu
(812) 856-0976
Program Co-coordinator: Katie S. Connolly, O.D.,
kconnol@indiana.edu
Positions Available: 1

Primary Care

Indiana University School of Optometry
800 E. Atwater Avenue Bloomington, IN 47405-3680
(812) 855-4387
Program Coordinator: Patricia Henderson, O.D.,
henderso@indiana.edu
Positions Available: 1

Indiana University School of Optometry
Indianapolis Eye Care Center
501 Indiana Ave, Ste 100
Indianapolis, IN 46204
(317) 321-1470
Program Coordinators:
Anna Bedwell, O.D., abedwell@indiana.edu
Julie Torbit, O.D., jtorbit@indiana.edu
Positions Available: 1

Indiana University School of Optometry Affiliated Residencies

Ocular Disease

Bennett & Bloom Eye Centers
4010 Dupont Circle
Suite 380
Louisville, KY 40201
(502) 895-0040
Program Coordinator: Lee Peplinski, O.D.,
drp@eyecenters.com, admin@eyecenters.com
Positions Available: 1

Gundersen Eye Department
1830 St. Hwy 9
Decorah, IA 52101
(863) 382-2639 x 75633
Program Coordinator: Jennifer Gipp, O.D.,
JEGipp@gundersenhealth.org
Positions Available: 1

Huntington VA Medical Center
Optometry Service (123)
1540 Spring Valley Drive
Huntington, WV 25704
(304) 429-6755 x 2696
Program Coordinator: Stephanie Farha, O.D.,
stephanie.farha@va.gov
Positions Available: 4

John Kenyon American Eye Institute
519 State Street
New Albany, IN 47150

(812) 258-3007
 Program Coordinator: Steve Wilson, O.D.,
swilson@johnkenyon.com
 Positions Available: 1

Lexington VA Medical Center
 12250 Leestown Rd.
 Lexington, KY 40511
 (859)233-4511
 Program Coordinator: Ashley Rone, O.D.,
ashley.rone@va.gov
 Positions Available: 2

University of Kentucky Medical Center
 Department of Ophthalmology
 E 309 Kentucky Clinic
 740 S. Limestone Drive
 Lexington, KY 40536-0284
 (859) 323-5867 x 259
 Program Coordinator: Barbara Crutchfield, O.D.,
crutch0@uky.edu
 Positions Available: 1

Primary Eye Care

Illiana Health Care System
 1900 E. Main Street
 Danville, IL 61832
 (217) 554-4587
 Program Coordinator: Mejia Guadalupe, O.D.,
guadalupe.mejia@va.gov
 Positions Available: 1

OSSIP Optometry PC
 5455 Harrison Park Lane
 Indianapolis, IN 46216
 (317) 867-0555
 Program Coordinator: Natalie Corey, O.D.,
ncorey@ossip.com
 Positions Available: 1

For the most up-to-date information, please visit the [IU SO Residency homepage](#).

Honors & Awards

Indiana University Doctor of Optometry (OD) students are eligible for a number of awards and honors, including cash, plaques, equipment, expense-paid trips, and other visible rewards of excellent. A number of the awards require a specific application, while other awards are made without students knowing they were being considered. Several other awards are decided solely by the Awards & Honors Committee, are selected by consensus of clinical faculty, or are chosen by a vote of instructors, staff and peers. Additional awards are the result of nationwide competitions.

It is important to note that some awards, especially those offered by ophthalmic companies, might vary from year to year. Students must submit an appropriate paper for consideration, have achieved overall academic excellence, have exhibited a particular clinical proficiency, or have financial need.

The Office of Student Administration works closely with the Awards & Honors Committee to inform students (typically by email) of opportunities, deadlines, and details of the various awards. Please direct any questions to the

Office of Student Administration in OP 231 by phone at 812-855-1917 or at iubopt@indiana.edu.

To view a full list of awards that have been offered in the past, please [visit](#).

Financial Aid

To apply for federal financial assistance, students need to file the Free Application for Federal Student Aid (FAFSA) between January 1 and March 1 each year. They may also file after March 1, but may not be considered for all the aid possible, depending on funding. Students may file the FAFSA at www.fafsa.ed.gov.

To be eligible for federal financial aid, a student must:

- be a U.S. citizen or eligible noncitizen
- have a valid social security number
- register with the Selective Service, if required
- not be in default or owe an overpayment on previous federal aid
- be admitted to an IU degree program
- make satisfactory academic progress

More information on eligibility requirements, the application process, and specific financial aid programs can be found at studentcentral.indiana.edu.

Borrowing

Financing an optometric education can be a long-term investment if a student needs to borrow money. Students must understand the implications of receiving student loans, such as the obligation to repay them with interest once they obtain their degrees. There are several student loan programs available to doctoral optometric students:

- Federal Stafford Loan
- Federal Perkins Loan
- Federal Health Professions Loan (students must provide parent data on the FAFSA to be considered for this loan)
- Federal PLUS Loan for graduate students

There are other sources for loans (along with state and association assistance programs) that students can fully research to obtain funding. Information can be obtained from the American Optometric Association as well as from local and state optometric associations.

Other Programs

Other federal aid programs include Federal Veterans Benefits and Military Health Professions scholarships. In addition, other options include:

- Teaching Assistantships
- Educational Opportunity Fellowships

Other scholarships and awards through the School of Optometry are listed in the "Student Honors and Awards" section in this bulletin. Applications and information about these programs can be obtained from the Office of Student Administration. A free search for other scholarships, not from the school, is available on line at www.fastweb.com.

Financial Aid Contact

Please contact the School of Optometry's Associate Director of Financial Aid with questions or concerns at School of Optometry, 800 E. Atwater Avenue, Indiana

University, Bloomington, Indiana 47405-3680; email jmgingri@indiana.edu for in-person or telephone appointments, which can be scheduled by calling the Office of Student Administration at (812) 855-1917. Information regarding other sources of financial aid is available on the School of Optometry's [website](#).

Graduate Program in Vision Science (MS, PhD)

Vision scientists study the eye and how we see as well as both the pathogenesis of visual dysfunction and the amelioration of visual disabilities. Vision science is multidisciplinary, and can include the study of biochemistry, biophysics, engineering, epidemiology, molecular biology, cell biology, neuroscience, optics, ophthalmology, optometry, pathology, physiology, psychology, statistics, and any other discipline that relates to the eye and its problems. Both the M.S. and Ph.D. degrees provide breadth through a variety of course offerings. The thesis based M.S. and Ph.D. degrees also add depth to the training of vision scientists through original research leading to a thesis or a dissertation.

Admission

All applications must be made through the [University Graduate School](#). The degree requirements for admission are flexible in order to accommodate students who come to vision science from a variety of backgrounds. A bachelor's degree (or equivalent) in science is required, and this should include course work appropriate to the area of vision science in which the student wishes to pursue an advanced degree. Detailed admission criteria are listed with the description of the degrees.

Degree Requirements

Non-thesis Master of Science Degree

Admission Requirements

The typical candidate for this program would be a practitioner who has an undergraduate degree in optometry or its equivalent and licensed or license eligible to practice optometry in their home country. GRE results will be required and in addition all non-native English speakers entering the program must have taken the Test of English as a Foreign Language (TOEFL) within the last 5 years. Non-typical candidates can also be considered for admission. However, they should first correspond with the Associate Dean of Graduate Programs before applying.

Curriculum

A total of 40 credit hours are required. Most of the courses will be based on the didactic courses in the School of Optometry's Doctorate of Optometry curriculum. Core courses will provide a breadth of background and also provide training in teaching methods, epidemiology, research design and writing and will be required to attend weekly research seminars. These core courses will add up to 15 credit hours. Electives totaling 25 credit hours will concentrate on one or two specialty areas in Optometry. Prior to registration for courses in the first semester the student will meet with the Associate Dean for Graduate Programs or a faculty mentor appointed by the Associate Dean to identify specialty areas, and to obtain advice on electives.

Thesis-based Master of Science Degree Course Requirements

A total of 30 credit hours is required, of which 15 credit hours must be didactic hours in vision science or approved substitutes. Students concurrently enrolled in the O.D. and MS program, may accelerate progress by receiving up to 4 graduate credit hours to this requirement of 15 didactic credit hours.

Research Requirements

Early in the program, students participate in a research project under the direction of a faculty advisor. The advisor is chosen by the student after consultation with the director of the graduate program. Research toward the thesis is guided by the advisor and a committee. After completion of the thesis, at least three members of the graduate faculty give it final approval.

Doctor of Philosophy Degree

Course Requirements

A total of 90 credit hours is required, of which 30 must come from didactic courses with grades of B or higher. Students enrolled in the O.D. program, may apply up to 6 credit hours to this requirement of 30 didactic credit hours. Students having received the MS degree in Vision Science from Indiana University can apply those credits towards the Ph.D. degree. When the grade point average of a student falls below 3.0, the student will be placed on academic probation.

Each semester, students are required to register for and participate in the weekly Vision Science Seminar (V 765) known as "Oxyopia." Participation implies that the seminar will be taken for credit and that students will make presentations.

During the first year students will be required to take a Special Topics course in Vision Science (V768), and either Geometric and Visual Optics 1 (V 521) or Systems Approach to Biomedical Science (V 542). During the second semester students will Take Vision Science 1 (V 560) and either V 523 or V 543 as well as a special seminar (V 768). Students believing they have met these requirements may apply to the Associate Dean for Graduate Programs with an alternative program

Minor Requirements

Students will select at least one minor subject in any relevant field of study, subject to approval by their advisory committee.

The requirements for the minor are determined by the department or program offering the minor. A specialized inter-departmental minor is also possible, if approved by the University Graduate School before classes are taken.

Vision Science Ph.D. Degree Requirements

In order to ensure adequate progress toward the Ph.D. degree, all students must achieve the following milestones. Typically these should be met at the end of years 1, 2, and 3 of the program. In addition, students who are expected to teach must pass Test of English Proficiency for International Associate Instructor Candidates (TEPAIC).

Advancement to Second-Year Exam

At the end of the first year in the program each student must pass a written examination covering a wide selection of vision science topics in order to advance to the second

year of the program. By this time, students should also have demonstrated an appropriate command of spoken and written English.

Advancement to Third Year

By the end of the second year all students should have identified the area of study and the specific experiments that will eventually constitute their Ph.D. thesis. This requirement will be met by submitting a formal abstract describing the proposed experiments to the Graduate Program coordinator.

This abstract must be accompanied by written approval of the Ph.D. advisor.

Advancement to Candidacy

By the end of the third year, each student must complete a written and oral qualifying examination. These examinations are administered by the student's advisory committee. The written component is the dissertation proposal, and can be in the form of a grant application. The requirement of 30 credit hours of didactic course work must be fulfilled before the qualifying examination. After successful completion of the qualifying exam, each student will be advanced to candidacy for the Ph.D. degree. Participation in the Ph.D. program will be terminated if a student fails the qualifying examination twice.

The final milestone is completion of the dissertation.

Completion of Dissertation

After completion of the written dissertation, it is presented and defended at a scheduled seminar meeting. The dissertation must be approved by the student's research committee. The student is responsible for submitting the final approved dissertation to the University Graduate School.

IU University Graduate School

The Indiana University Graduate School provides a guide to the preparation of theses and dissertations. Related forms may be acquired from the IU School of Optometry Office of Student Administration. See Website at <http://graduate.indiana.edu/theses-dissertations/index.shtml>.

Teaching

All doctoral students are required to participate in teaching, usually in the second or third year of their program.

Ph.D. Minor in Vision Science

Students from other departments who wish to minor in vision science should work with the Associate Dean to select an appropriate selection of three Vision Science courses from the following group: V 705, V 707, V 717, V 723, V 725, V 754, V 783, and V 791.

Courses

VSCI-V 595 First-Year Research (1-5 cr.)

VSCI-V 695 Second-Year Research (1-5 cr.)

VSCI-V 700 Introduction to Vision Science I (4 cr.)

The first of a two-semester sequence of courses that provides a comprehensive introduction to vision science. The course is designed for graduate students enrolled in

Vision Science, but is also suitable for students from other disciplines who are interested in the eye and vision.

VSCI-V 701 Introduction to Vision Science II (4 cr.)

The second of a two-semester sequence of courses on vision science. V 700 and this course constitute a breadth requirement for Ph.D. students in Vision Science.

VSCI-V 705 Ocular Surface Biology (4 cr.) Basic biology and physiology of the ocular surface, including the cornea, conjunctiva, and tear film.

VSCI-V 707 Retinal Imaging (2-3 cr.) The fundamental methods used in imaging the human retina will be examined, including types of illumination and delivery methods, optical techniques for detection, interaction of light and tissues, systems integration, and selection of imaging modalities based on scientific goals.

VSCI-V 717 Visual Development in Infancy and Early Childhood (3 cr.)

An introduction to structural and functional development of the human visual system and the methodology used to study visual development.

VSCI-V 723 The Eye as an Optical Instrument (4 cr.)

P: OPT-V 663 or equivalent.

VSCI-V 725 Introduction to Retinal Disease Research (3 cr.)

P: Permission of the Instructor This course will examine the underlying structural and functional systems that support our rich visual experience and are damaged by retinal disease.

VSCI-V 754 The Motility of the Eye (4 cr.) P: V 665 or equivalent. Quantitative and qualitative study of eye movements and myologic reflexes, monocular and binocular, and related phenomena.

VSCI-V 765 Vision Sciences Seminar (1 cr.) Students in the Ph.D. program in Vision Science are required to take this seminar and make a presentation annually.

VSCI-V 768 Special Topics in Vision Science (1-4 cr.)

Covers topics that are not offered on a regular basis. Possible topics include cell and molecular biology as it relates to the eye and vision, comparative studies of the vertebrate eye, current research, experimental design, optical and ophthalmic instruments, pathology, and pharmacology. This course may be taken for credit more than once when different topics are covered.

VSCI-V 791 Quantitative Methods for Vision Research (3 cr.)

Introduction to communication theory approach to problems in vision. Topics include the sensory nerve code, representation of nerve messages by orthogonal functions, sampling theorem, linear filters, Fourier analysis in one and two dimensions, analysis of directional data, stochastic processes, and signal detection theory.

VSCI-V 792 Ethical Issues in Scientific Research (1 cr.)

This required course explores the ethical issues and dilemmas raised by research in the biological sciences.

VSCI-V 793 Critical Evaluation of Peer Reviewed Publications in Vision Science (1 cr.)

This course provides experience to students to critically evaluate literature in the area of vision research. Students will meet for two hours each week for an eight week

period. Evaluation will be based on attendance, reading assignments and class participation.

VSCI-V 795 Third-Year Research (1-5 cr.)

VSCI-V 799 M.S. Thesis Research (1-10 cr.)

VSCI-V 801 Basic Experimental Design and Methods in Vision Science (3 cr.) An introduction to basic research skills in vision science.

VSCI-V 899 Ph.D. Dissertation Research (1-12 cr.)

Financial Aid & Fellowships

A graduate student enrolled in the Vision Science Program may be eligible for fee remission awards and for fellowship and assistantship awards.

Indiana University assistance includes the Graduate Scholars Fellowship, Women in Science Graduate Fellowship, the Ronald E. McNair Graduate Fellowship, and the Educational Opportunity Fellowship. To be considered for one of these fellowships, a student should contact the Indiana University School of Optometry Office of Student Administration. Most aid programs need to be applied for in the fall semester to be available for Fall admission.

Additional information regarding eligibility may be found at the University Graduate School [website](#).

In addition, a graduate student may apply for [Ezell Fellowships of the American Optometric Foundation](#), 6110 Executive Boulevard, Suite 506, Rockville, MD 20852; (301) 984-4734.

For other financial aid, grants-in-aid, and fellowships, refer to the University Graduate School Bulletin.

Information is also available on the [School of Optometry Financial Aid webpage](#).

Organizations

The principal organizations open to, and governed by, students in the School of Optometry are the following:

American Optometric Student Association, Indiana University School of Optometry Chapter (AOSA)

All optometry students are eligible for membership in the IU chapter of this national organization. This organization serves as a source of information about changes in the field of optometry, provides a variety of learning experiences for students, and represents students in many allied organizations. Through its Board of Trustees, local chapters help to shape national policies on optometric education.

Indiana University Optometric Student Association (IUOSA)

All optometry students are eligible for membership in the IUOSA, which is affiliated with the American Optometric Student Association. The association is active in current student affairs, sponsors social events, and provides suggestions and assistance to the dean and faculty.

Indiana University National Optometric Student Association (NOSA)

The IU membership of NOSA comprises representatives of minority groups among the student body. The local chapter is a student affiliate of the National Optometric Association. The association sponsors an awards ceremony each year and aids the school in a variety of ways.

Beta Sigma Kappa

A chapter of this international honorary optometric society was established at Indiana University in 1983. The organization is open to optometry students with outstanding scholastic achievements and is dedicated to research and exemplary optometric practice.

Student Volunteer Optometric Services to Humanity (SVOSH)

This organization provides eye care to individuals, usually in developing countries, who are otherwise unable to obtain this care for themselves. SVOSH collects and catalogs used eyeglasses, which are then distributed during an eye-care trip to an area of need.

Fellowship of Christian Optometrists

FCO is an organization that promotes, furthers, and maintains Christian fellowship among optometry students. Activities include discussions of current topics of interest led by guest speakers, the establishment of an ongoing eye clinic at an overseas mission, and screening missions to Third World countries.

Gold Key International Optometric Honor Society

This organization was created to recognize leadership in optometric schools and has been recognized by the AOSA as the highest honor for leadership a student of optometry can achieve. Gold Key recognizes leadership in the class, the school, and the optometric profession.

Private Practice Club

This club provides business information through guest speakers and workshops regarding optometric private practices for the use of IU optometry students. Through Facebook we hope to remind members of upcoming meetings, share pictures and links, and gain feedback.

Optometric Extension Program

OEP aims to help students learn more about these binocular vision and vision therapy through club meetings, guest speakers, and conferences

Policies & Procedures

Indiana University School of Optometry Student Immunization Policy

All students entering the Indiana University School of Optometry must meet the immunization requirements of both the University and Indiana Code 20-12-71. Students must provide documentation of the following immunizations:

- two measles, one mumps, and one rubella

- tetanus/diphtheria within the past 10 years
- tuberculin skin test within six months of the first semester

The School of Optometry requires the following additional immunizations:

- annual tuberculin skin test
- hepatitis B immunization series

Indiana University School of Optometry Student Participation in Outside Trips or Events

Introduction

Throughout the course of the academic year there may be times when students wish to attend an event that occurs when classes are in session. If the IU School of Optometry agrees that the event has positive academic or professional significance, then student attendance at that event may be approved, or sanctioned, by the school. Examples of such sanctioned trips that have occurred in the past include VOSH, FCO, AAO, AOA, and AOA-PAC. It should be noted that because absence for an event or trip was sanctioned in the past, a blanket sanction for a trip or event should not be automatically assumed for the future, especially when such a trip may fall at a time when absences would be detrimental to students or to the academic calendar. An example would be a proposed trip or event that occurs during the entire week of final exams. Faculty sponsors for planned events should work with IUSO administration before events are formalized.

School-Sanctioned Trips or Events

1. A student group planning a school-sanctioned trip or event may have their own qualifications for those who desire to participate. Their selection of participants must meet the approval of the group's faculty sponsor. In addition, each student who has been selected or approved by the faculty sponsor must also meet the following requirements:
 1. The student must be in good Academic Standing; i.e. not on Academic Probation.
 2. The Associate Dean of Students and the Director of Student Administration must be notified of the student's desire to go, either by the faculty sponsor or by the student.
 3. Individual students must contact each course instructor to determine how any work, labs or exams that would be missed could be made up. For clinic courses:
 1. Third year students must communicate with the Chief of Primary Care.
 2. For 4th year students or 3rd year students in specialty clinics, the Chief of the affected clinic section(s) should be contacted with sufficient advance notice to allow the creation of a modified clinic schedule. The Chief will retain the right to require swaps with another student if deemed necessary.
 4. Those serving as AIs must make arrangements with the instructor of the course in which they serve as AIs. A reasonable arrangement for absence could include having an AI from

another lab section serve in their place. If this is not possible, the AI may ask the course instructor if they may have another qualified volunteer student who is not normally an AI in that course serve as their substitute. The faculty in charge of the course must approve any substitute. Unless the substitute is already on the IUSO payroll as an AI, Indiana University cannot pay them - they are volunteering their time. If there is no substitute available, or if the proposed substitute is determined to be inadequate, the regular AI must fulfill his or her teaching responsibilities. Their trip will need to be forgone or rescheduled.

5. Fourth year students on external rotations need approval from the external rotation director serving at the site of their external rotation.
2. The faculty sponsor of the group should notify faculty of all students who wish to participate in the school sanctioned trip. Notification should be specific to each year. For example, the faculty sponsor would notify faculty teaching second year classes of their second year students who would miss their classes. Nevertheless, it remains the responsibility of each individual student to reach out to their instructors as a follow-up to an email from the faculty sponsor. The student is responsible for arranging a make-up of class activities that might be missed.
3. The Associate Dean of Students, Executive Associate Dean, or the Dean has the authority to deny absences for school-sanctioned events. Reasons for denial may include, but are not limited to, instances such as marginal academic performance, poor attendance, or any other situations that affect academic performance negatively.
4. Requests for absences that occur in a given semester must be made within the first 3 weeks of that semester.

Other Trips or Events

There may be requests for absences that are not included as sanctioned trips. Absences for cases of non-sanctioned trips or events such as Vision Expo must follow the same general procedures as listed above. This would include

1. Student must be in good academic standing
2. In the absence of a faculty sponsor, consulting with and obtaining provisional approval from the Associate Dean of Students.
3. Approval by the Associate Dean of Students is contingent upon satisfactory class, clinic, and AI arrangements satisfactory to the student's individual course and clinic instructors.

Faculty

For the most up-to-date information, visit the [IU School of Optometry faculty listing](#) on the World Wide Web.

Primary Faculty

- **Bedwell, Anna** Indiana University, 2010), Visiting Clinical Lecturer of Optometry

- **Begley, Carolyn G., M.S.** (Indiana University, 1979), O.D. (1983), Professor of Optometry
- **Bonanno, Joseph A., O.D.** (University of California, Berkeley, 1981), Ph.D. (1987), Professor of Optometry and Dean
- **Bradley, Arthur, Ph.D.** (University of California, Berkeley, 1983), Professor of Optometry
- **Braun, Mark W., M.D.** (Indiana University, 1975), M.S. (1997), Professor of Medical Pathology (part-time), Director of Medical Pathology and Medical Sciences Program
- **Brooks, Clifford W., O.D.** (Indiana University, 1971), Professor of Optometry and Executive Associate Dean for Academic Affairs
- **Burns, Stephen A., Ph.D.** (The Ohio State University, 1977), Professor of Optometry and Associate Dean of Graduate Programs
- **Candy, T. Rowan, B.Sc.** (University of Wales, 1989), Ph.D. (University of California, Berkeley, 1997), Associate Professor of Optometry
- **Connolly, Katie S., O.D.** (Michigan College of Optometry, 2014), Clinical Assistant Professor
- **Elsner, Ann E., Ph.D.** (University of Oregon, 1981) Professor of Optometry
- **Goss, David A., O.D.** (Pacific University, 1974), Ph.D. (Indiana University, 1980), Professor of Optometry
- **Grogg, Jane Ann, O.D.** (Indiana University, 1994), Clinical Associate Professor of Optometry and Chief of Advanced Ocular Care Service
- **Hassan, Shirin E., Ph.D., B.App.Sc. (Optometry)** (Queensland University of Technology, 2001), Associate Professor of Optometry
- **Henderson, Patricia A., O.D.** (Indiana University, 1985), Clinical Associate Professor of Optometry
- **Himebaugh, Nikole L., O.D.** (Indiana University, 1995), Ph.D. (Indiana University, 2007), Lecturer, School of Optometry
- **Horner, Douglas G., O.D.** (Pacific University, 1974), M.S. (University of Houston, 1983), Ph.D. (1987), Associate Professor of Optometry
- **Jarrard, Paula D., M.S.** (University of Southern Indiana, 2006), Adjunct Clinical Lecturer of Optometry
- **Jedlicka, Jason, O.D.** (Salus University, 1996), Clinical Associate Professor of Optometry and Chief of Cornea and Contact Lens Service
- **King, Brett, O.D.** (Indiana University, 1998) Clinical Associate Professor of Optometry
- **Kocaoglu, Omer P., M.S.** (Bogazici University, Turkey, 2003), Ph.D. (University of Miami, 2008), Assistant Scientist of Optometry
- **Kohne, Kimberly, O.D.** (University of Missouri, St. Louis, College of Optometry, 2004), Clinical Associate Professor of Optometry and Associate Dean for Students
- **Kollbaum, Elli J., O.D.** (Indiana University, 1997), Clinical Associate Professor of Optometry, Chief of Vision Rehabilitation Service and Director of Externships
- **Kollbaum, Peter S., O.D.** (Indiana University, 1999), M.S. (Indiana University Purdue University at Indianapolis, 2007), Ph.D. (Indiana University, 2007) Associate Professor of Optometry, Associate Dean of Research and Director of Borish Center for Ophthalmic Research
- **Kovacich, Susan, O.D.** (Indiana University, 1987), Clinical Associate Professor of Optometry
- **Liu, Chia-Yang, M.S.** (National Taiwan University, 1985), Ph.D. (University of Cincinnati, 1993), Associate Professor of Optometry
- **Lyon, Don W., O.D.** (Indiana University, 1999, 2010), Clinical Professor of Optometry, Chief of Pediatric and Binocular Vision Service, Director of Residencies
- **McConnaha, Debra L., O.D.** (Indiana University, 1984), Clinical Associate Professor of Optometry
- **Meetz, Richard E., O.D.** (Indiana University, 1976), M.S. (University of Michigan, 1988), Clinical Professor of Optometry and Associate Dean for Fiscal Affairs
- **Miller, Donald T., Ph.D.** (University of Rochester, 1995), Professor of Optometry
- **Otte, Nathan P., O.D.** (Indiana University, 2008), Adjunct Clinical Assistant Professor
- **Page, Jennifer G., O.D.** (Indiana University, 2002), Clinical Assistant Professor of Optometry
- **Peabody, Todd, O.D., M.B.A.,** (Indiana University, 2003, 2013), Clinical Associate Professor of Optometry, Director of Continuing Education and Chief of Third Year Primary Care Service
- **Pence, Neil A., O.D.** (Indiana University, 1979), Senior Lecturer in Optometry and Associate Dean for Clinical and Patient Care Services
- **Perotti, Jeffrey, O.D.** (Indiana University, 1997), Clinical Associate Professor of Optometry
- **Port, Nicholas L., Ph.D.** (University of Minnesota, Minneapolis, 1997), Assistant Professor of Optometry
- **Situ, Ping, MSc** (University of Waterloo, Canada, 1995), Ph.D. (University of Waterloo, Canada, 2010), Assistant Scientist of Optometry
- **Srinivas, S.P., M.S.** (I.I.T., India, 1982), Ph.D. (Drexel University, 1987), Associate Professor of Optometry
- **Sutton, Bradley M., O.D.** (Indiana University, 1993), Clinical Professor of Optometry and Service Chief of Indianapolis Eye Care Center
- **Swanson, William, Ph.D.** (University of Chicago, 1984), Professor of Optometry
- **Tonekaboni, Khashayar, O.D.** (Southern College of Optometry, 1987), Clinical Assistant Professor of Optometry
- **Valapala, Mallika, M.S.** (Osmania University, India, 2004), Ph.D. (University of North Texas, 2010), Assistant Professor of Optometry
- **Waltz, Kevin L., O.D.** (Indiana University, 1981), M.D. (Meharry Medical College, 1987), Adjunct Clinical Professor of Optometry
- **Zhang, Yujin, M.S.** (Northwest University, China, 1990), Ph.D. (Southwest University, China, 1998) Assistant Scientist of Optometry

Faculty Emeriti

- **Devoe, Robert D., Ph.D.** (The Rockefeller University, 1961), Professor Emeritus of Optometry

- **Everson, Ronald W., O.D.** (Chicago College of Optometry, 1954), M.S. (Indiana University, 1959), Associate Professor Emeritus of Optometry
- **Freeman, Douglas, M.A.** (Indiana University, 1972), M.L.S. (1974), Associate Librarian Emeritus of Optometry
- **Gerstman, Daniel R., O.D.** (Indiana University, 1969), M.S. (1971), Associate Professor Emeritus of Optometry and Adjunct Professor of Optometry
- **Guth, Sherman L., Ph.D.** (University of Illinois, 1963), Professor Emeritus of Psychology, College of Arts and Sciences
- **Hafner, Gary S., Ph.D.** (Indiana University, 1972), Professor Emeritus of Optometry and Adjunct Professor Emeritus of Anatomy, Medical Sciences Program
- **Hegeman, Sally L., Ph.D.** (University of California, San Francisco, 1969), Associate Professor Emerita of Optometry
- **Hitzeman, Steven A., O.D.** (Indiana University, 1976), Clinical Associate Professor Emeritus of Optometry
- **Lowther, Gerald E., O.D.** (The Ohio State University, 1967), M.S. (1969), Ph.D. (1972), Dean Emeritus of Optometry
- **Malinovsky, Edwin C., O.D.** (Indiana University, 1971), M.S. (Indiana University, 1979), M.P.H. (University of North Carolina, 1982), Professor Emeritus Optometry and Professor Emeritus of School of Public Health
- **Riley, Hurbert D., O.D.** (Indiana University, 1971), Assistant Professor Emeritus of Optometry
- **Soni, P. Sarita, B.Sc.** (University of Manchester, 1972), O.D. (Indiana University, 1976), M.S. (Indiana University, 1978), Professor Emerita of Optometry
- **Thibos, Larry N., Ph.D.** (University of California, Berkeley, 1975), Professor Emeritus of Optometry
- **Wilson, Graeme, M.Sc.** (The University of Manchester, 1965), Ph.D. (University of California, Berkeley, 1972), Professor Emeritus of Optometry

Adjunct Faculty

- **Bloom, Steven Mark, M.D.** (The Medical College of Pennsylvania, 1984), Bennett & Bloom Eye Centers, Louisville, KY, Adjunct Clinical Assistant Professor
- **Bowersox, Daniel M., O.D.** (University of Missouri-St. Louis, 1993), Optometrist, Bowersox Vision Center, Shelbyville, KY and Adjunct Clinical Assistant Professor, School of Optometry
- **Carter, Randy B., O.D.** (Indiana University, 1983), Clinical Director, The Eye Institute of Utah, Salt Lake City, UT, and Adjunct Clinical Associate Professor, School of Optometry
- **Case, Aaron W., O.D.** (Indiana University, 2006), Optometrist, Northern Indiana Health Care System-Ft Wayne VA, Fort Wayne, IN, and Adjunct Clinical Assistant Professor, School of Optometry
- **Cordes, Matthew G., O.D.** (Illinois College of Optometry, 1999), Staff Optometrist, Huntington VA Medical Center, Huntington, WV, and Adjunct Clinical Associate Professor, School of Optometry
- **Cordes, Sarah, O.D.** (Indiana University School of Optometry, 2002), Staff Optometrist, Villages VA Outpatient Clinic, The Villages, FL, Adjunct Clinical Assistant Professor
- **Crutchfield, Barbara Jean, O.D.** (Indiana University School of Optometry, 1990), Assistant Professor, Department of Ophthalmology, University of Kentucky, Lexington, KY, Adjunct Clinical Associate Professor
- **Den Beste, Brian, O.D.** (Illinois College of Optometry, 1980), Director, Lasik Pro Vision Consultants, Orlando, FL, Adjunct Clinical Professor
- **Dierker, Damon, O.D.** (Indiana University, 2002), Optometrist, Eye Surgeons of Indiana, Indianapolis, IN, and Adjunct Clinical Assistant Professor, School of Optometry
- **Eiden, S. Barry, O.D.** (Illinois College of Optometry, 1981), President and Medical Director, North Suburban Vision Consultants, Ltd., Deerfield, IL, Adjunct Clinical Associate Professor
- **Egenmaier, Walter H., O.D.** (University of Alabama, Birmingham, 1982), Optometrist, EyeCare Consultants, Evansville, IN, and Adjunct Clinical Associate Professor, School of Optometry
- **Elkins, Meghan, O.D.** (Southern College of Optometry, 2010), Huntington VA Medical Center, Huntington, WV, Adjunct Clinical Assistant Professor
- **Faley, Monica L., O.D.** (Ferris State College, 1995), Optometrist, Pinion Health Center, Pinon, AZ, and Adjunct Clinical Assistant Professor, School of Optometry
- **Farha, Stephanie, O.D.** (Indiana University School of Optometry, 2009), Staff Optometrist, Huntington VA Medical Center, Huntington, WV, Adjunct Clinical Assistant Professor
- **Foltz, Tara, O.D.** (University of Alabama at Birmingham School of Optometry, 2006), Attending Staff Optometrist, Lexington VA Medical Center, Lexington, KY, Adjunct Clinical Assistant Professor
- **Fries, Patti L., O.D.** (University of Missouri, St. Louis, 2002), Optometrist, University of Nebraska Medical Center, Omaha, NE, and Adjunct Associate Professor, School of Optometry
- **Gipp, Jennifer, O.D.** (Indiana University School of Optometry, 2007), Gunderson Luthern, Prairie Du Chien, WI and Decorah, IA, Adjunct Clinical Assistant Professor
- **Goen, Terry M., O.D.** (Indiana University, 1984), Chief, Optometry Section, Pensacola Veterans Administration Medical Center, Pensacola, FL, and Adjunct Clinical Associate Professor, School of Optometry
- **Graf, Frank, O.D.** (Pennsylvania College of Optometry, 1978), Clinical Assistant Professor, Department of Ophthalmology, University of Nebraska, and Adjunct Clinical Associate Professor, School of Optometry
- **Groppel, Piper G., O.D.** (Indiana University-Purdue University Indianapolis, 2004), Roudebush VA Medical Center, Indianapolis, IN, and Adjunct Clinical Assistant Professor, School of Optometry
- **Hanlon, Brady Phillip, O.D.** (Indiana University School of Optometry, 2004), Staff Optometrist, VA Northern Indiana Health Care System, Fort Wayne, IN, Adjunct Clinical Assistant Professor
- **Holbrook, Steven E., O.D.** (Indiana University, 1985), Optometrist, The Eye Center of Southern

- Indiana, Bloomington, IN, and Adjunct Clinical Assistant Professor, School of Optometry
- **Huck, Chad, O.D.** (Indiana University, 1985), Clinic Director, The Eye Center of Southern Indiana, Bloomington, IN, and Adjunct Clinical Assistant Professor, School of Optometry
 - **Johnson, Stephanie R., O.D.** (Nova Southeastern University, 2005), Optometrist, Ireland Army Hospital, Fort Knox, KY, and Adjunct Clinical Assistant Professor, School of Optometry
 - **Jordan, Christian William, O.D.** (Pennsylvania College of Optometry, 2006), Resident in Primary Care, WJB Dorn VA Medical Center, Columbia, SC, Adjunct Clinical Assistant Professor
 - **Jordan, Curtis Allen, M.D.** (Indiana University, 1984), Eye Associates of Southern Indiana, Jeffersonville, IN, and Adjunct Clinical Assistant Professor, School of Optometry
 - **Jung, Jean Yock, O.D.** (SUNY State College of Optometry, 1992), Optometrist, VA Hudson Valley HCS, Montrose, NY, Adjunct Clinical Associate Professor
 - **Kinnaird, Charles W., O.D.** (Nova Southeastern University College of Optometry, 1994), Optometrist, Jesse Brown VA Medical Center, Chicago, IL, Adjunct Clinical Associate Professor
 - **Lifferth, Austin, O.D.** (Indiana University, 2003), Optometrist, Bennett and Bloom Eye Centers, Louisville, KY, and Adjunct Clinical Assistant Professor, School of Optometry
 - **Marciniak, Michelle M., O.D.** (Illinois College of Optometry, 2003), Optometrist, Jesse Brown VA Medical Center, Chicago, IL, and Adjunct Clinical Assistant Professor, School of Optometry
 - **McDonald, Anthony, O.D.** (Pennsylvania College of Optometry, 1982), Optometrist, McDonald Eyecare Associates, Lakeville, MN, and Adjunct Clinical Assistant Professor, School of Optometry
 - **McSoley, John, O.D.** (New England College of Optometry, 1991), Director of Optometry Services, Bascom Palmer Eye Institute, Miami, FL, and Adjunct Clinical Assistant Professor, School of Optometry
 - **Mejia, Guadalupe A., O.D.** (Indiana University School of Optometry, 2007), Clinical Assistant Professor, University of Louisville, Louisville, KY, Adjunct Clinical Assistant Professor
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