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**College of Optometry**  
**At the University of Missouri—St. Louis**  
established 1980

**Our Vision**

Advancing the Science and Practice of Optometry

**Our Mission**

The mission of the College of Optometry is to promote and provide improved eye and health care for people throughout the country by preparing the next generation of optometrists and vision researchers. To accomplish our mission the faculty, staff and students will pursue excellence within our professional, graduate, residency and patient care programs.

**Our Values**

Optometrists, as essential primary eye care providers within an effective health care delivery system, frequently serve as leaders within the community. It is our commitment to demonstrate and instill an appreciation for the following values as we prepare our graduates to fulfill that role with distinction.

Growth—We are committed to creating evidence-based quality educational experiences and engendering a passion for lifelong learning within our students, staff, faculty, and alumni. Individual and collective discipline and perseverance are required for growth. Growth is an essential component of our commitment to make a positive impact upon the community that we serve.

Responsibility—We are committed to the pursuit of excellence, charity and compassion toward others, and to improved quality of life for those who live and work within our community. The fulfillment of that obligation is enabled by dedication to personal and academic integrity.

Discover—We are committed to the development and utilization of innovative approaches to maximize learning and improve patient care through research, scholarship and teaching. The pursuit and dissemination of new knowledge fulfills our responsibility to enhance the delivery of eye care and the quality of life for our fellow citizens.

Community—We are committed to supportive and productive relationships within our college, campus, professional and surrounding communities. We have an appreciation for the dignity of others and respect for the diversity that exists within our community. Teamwork and collaboration are essential as we strive to enrich the lives of our fellow citizens.

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## 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.

Adopted by the American Optometric Association and the Association of Schools and Colleges of Optometry.

## Optometry: The Profession

According to the American Optometric Association, Doctors of Optometry (ODs) are the independent primary health care professionals for the eye. Optometrists examine, diagnose, treat, and manage diseases, injuries, and disorders of the visual system, the eye, and associated structures as well as identify related systemic conditions affecting the eye.

- Doctors of Optometry prescribe medications, low vision rehabilitation, vision therapy, spectacle lenses, contact lenses, and perform certain surgical procedures.
- Optometrists counsel their patients regarding surgical and non-surgical options that meet their visual needs related to their occupations, avocations, and lifestyle.
- An optometrist has completed pre-professional undergraduate education in a college of university and four years of professional education at a college of optometry, leading to the doctor of optometry (OD) degree. Some optometrists complete an optional residency in a specific area of practice.
- Optometrists are eye health care professionals state-licensed to diagnose and treat diseases and disorders of the eye and visual system.

-Approved by the AOA Board of Trustees, 2012

Optometry is the nation's third largest independent healthcare profession. With favorable working conditions, it offers many career options and great freedom in choosing a location to live and practice. Optometrists provide the majority of primary vision care administered. Over half the people in the United States wear glasses or contact lenses. Even people who may not require corrective eyewear need regular care to prevent and detect eye and vision problems, and manage eye disease.

The aging of the U.S. population has had two effects on the practice of optometry. First, nearly one quarter of practicing optometrists are approaching retirement age. As the baby-boomer generation enters retirement, many aging optometrists are looking for younger doctors who can take over their practices or offer new specialties to their practices.

Second, as the population ages, optometry services will be in increasing demand. Ninety percent of Americans 45 years of age and over will require vision correction. The growing number of senior citizens with age-related eye diseases such as cataracts, glaucoma, diabetic retinopathy, hypertensive retinopathy, and macular degeneration will increase the demand for services from optometrists.

As our society becomes more highly mechanized, vision requirements become more exacting. The number of people needing professional help for near-point visual tasks and computer usage among all people including

young children, is steadily growing. Increased demands for vision care result not only from population changes but also from an increased understanding of how quality vision relates to driving, workplace requirements, student achievement, leisure activities, adjustments to aging and other areas crucial to a modern computer and technology-driven society.

Demand for optometry services is also expected to increase as state laws, which regulate optometric practice (similar to all medical professions), are expanded. All states in North America recognize that optometrists are appropriately trained to prescribe medications for the treatment of diseases of the eye and surrounding structures.

Most new opportunities for graduates are created by the retirement of optometrists, the establishment of new offices, the inclusion of optometrists in interdisciplinary practices, and the growth of group practices, as well as from the expanding scope of care provided by optometrists. An increase in the number of corporate optometry locations has also created an increased demand for optometrists.

The number of new practicing optometrists is limited since there are just twenty schools and colleges of optometry in the United States, with two additional colleges in Canada. Class sizes are restricted and therefore the number of new graduates remains fairly constant. Federal data indicate that opportunities for optometrists are expected to grow about as fast as the average for all occupations through 2008 in response to the vision care needs of a growing and aging population. (U.S. Department of Labor, Bureau of Labor Statistics, the Occupational Outlook Handbook, 2000-2001).

Doctors of Optometry experience good satisfaction in their profession. U.S. News and World Report ranked optometry one of the best careers in 2007 (<http://www.usnews.com/usnews/biztech/articles/061218/18career.intro.htm>). The fact that many optometrists choose to practice on a part-time basis well into their retirement speaks highly of the rewards of the profession. Adding to optometrists' satisfaction is the fact that increases in their income have outpaced inflation for the past 10 years. Building on years of professional service as a primary entry point into the vision health care system, optometrists work with consumers and other health care providers, expanding delivery mechanisms to ensure improved general health.

Although optometry has met today's challenges with some measure of success, tomorrow's tests will be even greater. Tomorrow's challenges will require cooperation among health care providers, legislative bodies, public policy makers, and consumers with a firm commitment to modify the health care delivery system to the changing needs of the patient.

Future need for optometric services means that, upon graduation, tomorrow's optometric graduates will be able to choose from a wide range of options in terms of the nature and location of their practices.

However, the greatest importance to those considering a future in optometry is the fact that nationwide the need for optometrists is growing rapidly. Hundreds of shortage areas for optometrists already exist and those shortages will inevitably increase as approximately one quarter of the optometrists practicing today are nearing the age of retirement.



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## Introduction to UM-St. Louis

The University of Missouri-St. Louis is one of four campuses that comprise the University of Missouri system, the ninth largest university in the United States. Established in Columbia, Missouri in 1839 on the ideals of Thomas Jefferson, the University of Missouri became a land-grant institution upon passage of the Morrill Act by Congress in 1862.

The university remained a single-campus institution until 1870, when the Rolla campus was opened. In the 1960s a movement began across the country toward creation of public universities located within metropolitan centers. That movement marked the most significant change in higher education in the twentieth century, and the University of Missouri-St. Louis is a product of that educational development. Two campuses were added in 1963. The private University of Kansas City became the university's Kansas City campus, and an entirely new campus was started in St. Louis.

The notion of a major public institution serving the St. Louis area evolved from a dream to a solid reality, which today exceeds the expectations of those who created it. Since the doors of the old Administration Building opened nearly 50 years ago, UM-St. Louis has become the largest university serving St. Louisans and the third largest university in the state. The university faculty has grown from 30 in 1963 to more than 900 members, committed to the future of the St. Louis area through teaching, research, and service.

One of the keys to this university's development as an outstanding institution has been the careful selection of faculty over the years. UM-St. Louis has attracted some of the top authorities in many fields. More than 90 percent of the full-time faculty hold doctoral degrees, a figure that far exceeds the national average. These professionals develop new theories and new procedures, and in so doing attract millions of dollars each year in research funding.

Student enrollment has grown from 600 in 1963 to more than 16,000. The numbers have changed, but not the spirit. Faculty and students are still most concerned with the education of new talent, which is the basis for the future social, intellectual, and economic health of Missouri's largest metropolitan area.

From its beginning on what was once the site of a country club with a single building, UM-St. Louis has grown to a large modern campus of some 73 buildings on 250 acres, offering a comprehensive university experience.

The curriculum has grown to include 42 undergraduate programs, 26 master's programs, seven preprofessional programs, ten doctoral programs, and one first professional degree program. There are programs which answer the particular needs of older students returning to college; of students pursuing pre-architecture, pre-law,

pre-medicine, pre-optometry, pre-pharmacy, pre-engineering, or pre-journalism courses, and of students interested in urban careers. There are also many opportunities for students to combine their academic course work with internships that often lead to job offers.

## UM-St. Louis Mission Statement

The University of Missouri-St. Louis is the land-grant research institution committed to meeting the diverse needs in the state's largest metropolitan community. It educates traditional and nontraditional students in undergraduate, graduate, and professional programs so that they may provide leadership in health professions, liberal and fine arts, science and technology, and metropolitan affairs such as business, education, and public policy. University research advances knowledge in all areas, and through outreach and public service, assists in solving, in particular, problems of the St. Louis region.

Academic programs are enriched through advanced technologies and partnerships that link UM-St. Louis to institutions and businesses locally, regionally, nationally, and internationally. Its special commitment to partnership provides UM-St. Louis with a leadership responsibility among public educational and cultural institutions in improving the region's quality of life, while its relations with two- and four-year colleges and universities in the St. Louis region promote seamless educational opportunities.

## Academic Structure

UM-St. Louis consists of the College of Arts and Sciences, College of Business Administration, College of Education, College of Fine Arts and Communication, Graduate School, College of Nursing, College of Optometry, UM-St. Louis/Washington University Joint Engineering Program, and the School of Professional and Continuing Studies (PCS).

### College of Arts and Sciences

The College of Arts and Sciences, largest of the divisions, includes the recently formed School of Social Work and 18 academic departments. These departments combine general educational offerings that provide students with opportunities to acquire a breadth of knowledge and a foundation in the basic skills of intellectual inquiry with basic preparation for the student's professional life through learning experiences leading to a career in a specific field.

### College of Business Administration

Through its bachelor's and master's degree programs, the College of Business Administration expands student capability in communication, analysis, and judgment, enabling its graduates to deal effectively with today's complex economic environment. The college maintains a balance between the specialization of professional courses and the diversity of liberal arts.

### **College of Education**

Consistently one of the top three institutions in the state in production of educators, the College of Education provides undergraduate and graduate programs to prepare and sustain educational leaders. Its programs emphasize state-of-the-art technological applications to enhance teaching and learning as well as collaboration among university, college, agency, and corporate partners.

### **College of Fine Arts and Communication**

The College of Fine Arts and Communication includes the Departments of Art and Art History, Communication, Music and Theater Dance and Media Studies. Our faculty and alumni have distinguished themselves as scholars, visual artists, teacher and performers.

### **Graduate School**

Programs offered in the Graduate School fall into two categories: professional programs designed to develop a special competence in a particular field and academic programs designed to develop the student's command of a range of related subjects within a field. These graduate programs are structured to meet the needs of the metropolitan area and to give students the skills and professional competence to succeed.

### **College of Optometry**

The College of Optometry is one of 20 colleges in the United States. It provides professional optometric education and clinical experience. Facilities are furnished with equipment for teaching and research. The college operates the University Eye Center on campus, the Optometric Center of St. Louis in the city's Central West End, and the East St. Louis Eye Center, jointly owned and operated by the UM-St. Louis College of Optometry and Southern Illinois University at Edwardsville.

### **Pierre Laclède Honors College**

The Pierre Laclède Honors College brings together intellectually curious and gifted students who are pursuing various career goals and earning degrees in disciplines offered by the university's other undergraduate schools and colleges. Honors Scholars follow a special curriculum that combines Honors College classes with course work done for honors credit in their major areas. In addition to offering scholarships and stipends, the college's Community Mentorship Program links scholars with model urban citizens who share their interests.

### **College of Nursing**

The College of Nursing offers programs at the bachelor's, master's, and doctoral levels. The Bachelor of Science in Nursing is available for a student wishing to pursue a program of study leading to eligibility to complete state licensure examinations to become a registered nurse (R.N.). In addition, an upper-level option designed for the associate degree or diploma-educated registered nurse avoids repeating basic nursing course work. The Master of Science in Nursing, a cooperative program with UM-Kansas City College of Nursing, offers studies in adult, children's, and women's health. Practitioner options are also available (adult, family, neonatal, pediatric, and women) as part of the MSN program. The Ph.D. in Nursing offers studies focused on health promotion and protection, health restoration and support, and health care systems.

### **UM-St. Louis/Washington University Joint Undergraduate Engineering Program**

The University of Missouri-St. Louis and Washington University have joined forces to offer Bachelor of Science degrees in mechanical, electrical, and civil engineering. Students who enter the program take about half of their course work--mathematics, physics, chemistry, humanities and social sciences, and some elementary engineering subjects--on the campus of UM-St. Louis. The remaining half consists of upper-level engineering courses and laboratories taken on the campus of Washington University and taught by Washington University engineering faculty members. Students register for all courses at UM-St. Louis, pay tuition at UM-St. Louis rates (plus a small surcharge on engineering courses), and receive their degrees from the University of Missouri.

### **School of Professional and Continuing Studies (PCS)**

The School of Professional and Continuing Studies at UMSL delivers degree completion, professional development and personal enrichment opportunities. Through PCS, the College of Optometry at UMSL provides the opportunity to earn all 32 COPE/CEE hours in a short time span with programs such as:

- Nutrition and the Eye Symposium (8 COPE/CEE hours)
- Advances in Vision Care (4 COPE/CEE hours)
- Ocular Disease and Allergies of the Anterior and Posterior Eye (8 COPE/CEE hours)
- Coding Update (4 COPE/CEE hours)
- Annual Optometry Academy (8 COPE/CEE hours)

### **Office of International Student Scholar Services of the Center for International Studies**

The Office of International Student Services assists international students and scholars with undergraduate and graduate admission, credential and transfer credit evaluations, visa and immigration advising, pre-arrival and cultural adaptation assistance, new international student and scholar orientation, prospective student information requests, and personal advising. The office also coordinates activities for integration of students and scholars into the community by facilitating cultural events and activities, coordinating the annual International Student Speaker's Bureau, and working closely with other campus and community organizations.

### **Student Life**

Although UM-St. Louis provides opportunities for all students through a demanding curriculum, the life of the university is not all work. There are a great many leisure-time activities, either free or at reduced cost to students. Numerous student organizations, from the Accounting Club to Zeta Tau Alpha sorority, seek members and leaders. Interesting speakers, concerts, film series, plays, exhibits, recitals, and a host of informal gatherings crowd each week's schedule. The St. Louis area offers still more recreational, sports, and cultural events.

The university offers a wide range of varsity and intramural sports for students, whether as players or spectators. On the varsity level, Rivermen and Riverwomen compete in most major sports. UM-St. Louis men's soccer teams have participated in numerous NCAA Division II tournaments; the team won the national title in 1973. The men's basketball, baseball, swimming, and golf teams frequently play in national tournaments. The expanding women's program includes varsity competition in basketball, soccer, softball, volleyball, swimming, and tennis. The women's soccer team ranks annually in the top 20 teams nationwide.

The Mark Twain athletic facility offers a state-of-the-art fitness center, weight room, swimming pool, and basketball, volleyball, handball, and racquetball courts. Outdoor facilities include tennis and handball courts, a fitness trail, and baseball, soccer, and softball fields. Students will find fitness activities, both organized and individual, to suit their interests and needs. Intramural sports are available to all students, with schedules designed for maximum participation.

### **Graduates**

The graduates of UM-St. Louis reflect the diversity found in a metropolitan community. The university has more than 70,000 graduates living in all 50 states and several foreign countries. Of these alumni, more than 80 percent continue to live and work in the St. Louis metropolitan area.

The university is a major force in providing the region with a highly educated and diverse work force. Alumni can be

found in companies and organizations throughout the region and nation.

### **Accreditation**

The University of Missouri-St. Louis is fully accredited by the Higher Learning Commission (HLC) located at 30 North LaSalle Street, Suite 2400, Chicago, Illinois, 60602-2504. HLC is part of the North Central Association of Colleges and Schools, one of six regional institutional accreditors in the United States. Through its Commissions it accredits, and thereby grants membership to educational institutions in the North Central region: Arkansas, Arizona, Colorado, Iowa, Illinois, Indiana, Kansas, Michigan, Minnesota, Missouri, North Dakota, Nebraska, Ohio, Oklahoma, New Mexico, South Dakota, Wisconsin, West Virginia, and Wyoming. HLC is recognized by the US Department of Education and the Council on Higher Education Accreditation (CHEA).

## College of Optometry

### History

In 1968 the Missouri Optometric Association first recommended that an optometry college be established in the state. A committee was appointed for the purpose of pursuing this goal. The committee contacted the Missouri Commission on Higher Education, and that body undertook a study of the "optometric manpower needs" in Missouri. A formal report was released in June of 1970 that documented the need for an increase in the number of optometrists in the state.

In 1974 the state legislature approved \$50,000 to be used for "the planning phase for the opening of a College of Optometry." As a consequence, the University of Missouri-St. Louis submitted a plan leading to the establishment of an optometry college. An additional optometric workforce study was completed in 1976 and updated in 1977 as part of the Health Manpower Planning Project. This study also documented the need for additional optometrists in Missouri and recommended the establishment of a regional College of Optometry serving Missouri, Kansas, Iowa, and Nebraska.

In 1977 a House Bill was passed providing for the establishment of an optometry college. A state appropriation of \$200,000 was approved in 1979 and \$1.3 million for capitation and start-up funding was obtained from the federal government for the start of the college. On May 12, 1980 the governor signed the bill authorizing the establishment of the college, and it officially came into existence on June 1, 1980.

### Educational Philosophy

Educating a health-care professional is a formidable undertaking. Due to the multifold consequences of decisions made on behalf of the patient's well-being and the autonomy health professionals enjoy, the educational process must be well-planned and thorough.

As primary eye care providers, optometrists must be competent to provide traditional optometric services, such as the remediation of optical defects of the eye through appropriate diagnosis and prescription of glasses, contact lenses, and specialized visual aids for the partially sighted; optimization of the visual performance of the individual; and evaluation and treatment of eye movement and binocular vision anomalies. They also must be able to evaluate the health status of the eye and visual system, recognize and appreciate the ocular signs and symptoms of systemic diseases, and be able to provide treatment for most eye diseases. All these abilities must be reflected in the educational program. The rapid expansion of the scope of optometric practice has necessitated shifts of the curriculum of the schools and colleges of optometry.

The optometric educational program must encompass not only the specialized knowledge and technical capabilities necessary for the practice of optometry, but also must offer curricular elements and experiences that will enable graduates to be effective in the delivery of full-scope optometric eye care. The appropriate professional relationship to a patient is one in which the patient is willing to be fully revealing of his or her medical history and symptoms that might be related to eye health. The patient must trust the practitioner to be confidential, to have the wisdom and clinical experience to make effective diagnostic and therapeutic judgments, to be objective and place the patient's best interests foremost in the total doctor/patient interaction. The optometrist must be able to explain existing conditions, treatment options, and outcomes to the patient in a straightforward manner that is clear and understandable to the patient and with the appropriate degree of candor and compassion. Optimizing each of these abilities is the purpose of courses addressing the understanding and appreciation of human behavior, interpersonal communications, public health, and community and societal needs. The "art" of practicing a health profession is in part comprised of these skills, which cannot be taught by classroom work alone. Moreover, the development of these complex attitudes and communication skills depends on having the appropriate role models and learning through closely-guided experience with patients.

In addition to providing students with the fundamental and specialized knowledge base required for the contemporary practice of optometry, a health-professional's educational program must be concerned with the development of the ability to continue the educational process beyond graduation. The knowledge and technological explosion that has occurred in the last 25 years makes this even more imperative. Consequently, the four-year educational program must prepare the student for life-long learning. The faculty, through their educational interactions with students, must be able to transfer a thirst for continued learning and the ability to acquire new knowledge and skills through educational experiences that will be largely self-initiated. This learning process requires the students to obtain an appreciation for the scientific process and how to analyze and evaluate scientific and clinical research as demonstrated by faculty in the laboratory and clinical setting, but ultimately the students must learn to carry out these activities on their own.

Professional college is not just an education system but also a social system. This aspect of the program can be most influential in shaping the budding professional's attitudes and values regarding professionalism and professional practice. Role-model learning, curricular arrangement, student selection, the nature and type of patient experiences, peer, faculty, and institutional influence, and the overall learning climate of the college are all significant factors in this socialization process. The development of professional standards and ethics is

important, especially in light of the prerogatives and self-policing of the professions.

The professional education program is complex and must be carefully structured. Each of the considerations above must be reflected in the curriculum and in the overall educational experience of each student.

## Goals

The major goals of the University of Missouri-St. Louis College of Optometry are:

Attract and educate superior entering students with appropriate academic capabilities, education and motivation, who will become exemplary practitioners through a quality learning experience.

Encourage faculty and staff to achieve their highest potential, thereby fostering career satisfaction and creating outstanding role models for students and their peers.

Engage faculty and students in research that adds to new knowledge within the optometric profession, improves teaching, and enhances patient care.

Conduct high quality, accredited post-graduate residency programs that enhance and extend optometric skills beyond entry-level optometry.

Provide high quality continuing education opportunities for optometrists in Missouri and surrounding states.

Plan for improvements to the physical facility and equipment and maintain sufficient resources including technology so as to make the environment conducive to the highest level of learning, patient care, research, and service.

Contribute to the social welfare of the community through clinical and related service programs.

## Facilities

Situated in Missouri's largest metropolitan area, the College of Optometry enjoys the region's strong community and professional support. The urban setting offers many opportunities for outreach programs, expanding the scope of optometric education and making possible a highly diverse program of clinical training. Another asset of the College is its proximity to the national headquarters of the American Optometric Association, located just a few miles from campus.

The College of Optometry is located on the South Campus of the University of Missouri-St. Louis and shares in the use of many university resources. A modern five-story building houses the College's classrooms, laboratories, research facilities, administrative offices, library, and the

University Eye Center. The complex also includes a 350-seat amphitheatre and the E. Desmond Lee Technology and Learning Center.

## University Eye Center

The University Eye Center, located on the South Campus, is open to the public, as well as to the faculty, staff, and students of the University. The Center serves to provide patients with the highest quality eye and vision care. This purpose is consistent with the overall goal of training highly qualified eye care practitioners.

In addition to the University Eye Center, the College operates the Lindell Eye Center (Optometric Center of St. Louis), a full scope optometric eye care facility in the Central West End of the city, and the East St. Louis Eye Center. All of the patient care facilities serve patients from the St. Louis metropolitan area.

## Libraries

The University Libraries support the educational objectives of the university and meet the teaching, research, and informational needs of the campus community. Housed in three locations—the Thomas Jefferson Library and the St. Louis Mercantile Library at UM-St. Louis (North Campus) and the Ward E. Barnes Library (South Campus)—the Libraries' collections consist of more than 950,000 volumes, 2,900 periodical subscriptions, one million U.S. government documents, over one million items in microform, and numerous special and manuscript collections.

Materials from the libraries of all campuses of the University of Missouri and Saint Louis University can be identified in the MERLIN online catalog. At the time of the catalog search, users can request that items at other institutions be transferred to UM-St. Louis. A full range of services, including interlibrary loan, reference assistance, library instruction, and access to a large number of databases are also available through the Libraries.

## Accreditation and Professional Association

The College of Optometry is a member of the Association of Schools and Colleges of Optometry (ASCO) and is accredited by the Accreditation Council on Optometric Education (ACOE), the official optometric agency recognized by the National Commission on Accrediting. The ACOE is located at 243 North Lindbergh Blvd., St. Louis, Missouri, 63141 (phone 314-991-4100). Optometry students and graduates are eligible to take the annual examinations of the National Board of Examiners in Optometry. Graduates of the college are eligible for licensure in all 50 states and the District of Columbia.

## **Our Graduates**

Just over 1200 optometry alumni may be found around the world including Cameroon, Australia, and Canada, in addition to countries served by our military. Our alumni reside in 42 states. While primarily clustered in the upper and central Midwest and plains states, many of our graduates may be found in California and Texas. We also have alumni in Alaska and Hawaii.

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## Patient Care

### Center for Eye Care

The Center for Eye Care provides a patient care environment for upper level optometry students and post-doctoral residents. The Center for Eye Care includes three locations: the University Eye Center on the UM-St. Louis South Campus, the Lindell Eye Center in the Central West End of the city of St. Louis, and the East St. Louis Eye Center on the campus of East St. Louis Community College. The main purpose of these and other neighborhood health clinics in the St. Louis area is to provide an instructional setting where student interns are exposed to a wide variety of patients under the direct supervision of College of Optometry faculty. Equally important is that these Centers provide exemplary, comprehensive and state-of-the-art Optometric care to their patients.

The Centers provide a full range of Optometric services including adult primary eye care, contact lens, pediatrics, binocular vision, low vision, and eye health management. Specialized testing of color vision and electrophysiology are also available. These services are described below in greater detail.

### Third Year Patient Care Service

Most adult patients are initially scheduled into the Third Year Patient Care Service. This service is staffed by third-year clinicians and is an entry level into most of the other services. In this service, comprehensive eye examinations are performed encompassing testing for refractive status, binocular status and the ocular health of each patient. In addition, this service serves to provide emergency care. When patients have been identified as needing additional care, they are referred to other services according to their specific needs.

### Pediatric/Binocular Vision Service

The Pediatric/Binocular Vision Service serves patients who have problems with their eyes working together, such as in amblyopia (lazy eye), strabismus (crossed eyes), or other eye-muscle coordination difficulties. After the problem is thoroughly evaluated, a treatment program for eye exercises or spectacles, if necessary, may be prescribed.

Children 13 years or under are initially scheduled in the Pediatric/Binocular Vision Service for a comprehensive eye examination.

In addition, a special educator is associated with this service in the role of consultant. College screenings, both elementary and precollege levels, are coordinated through the Pediatric/Binocular Vision Service.

### Pupil Project

The Pupil Project is an innovative program that brings together the resources and expertise of the UMSL College of Optometry and College of Education faculty to manage learning related vision problems. This program incorporates a multidisciplinary team of Optometrists, School Psychologists, Special Educators and Physical & Occupational Therapists. The Pupil Project provides Optometric, Psychological and Educational clinical evaluation, diagnosis and remediation for children with learning related vision problems.

### Contact Lens Service

The Contact Lens Service offers patients an alternative to spectacle correction. Many people can obtain better vision with contact lenses than with eyeglasses. Others wear contact lenses so they can participate more fully in athletics or other recreational activities.

With the wide selection of lens types available, many people who previously could not be fitted with contact lenses can now wear them successfully.

Student clinicians are exposed to gas-permeable and soft contact lens materials and gain expertise in fitting spherical, toric, bifocal, scleral, and specialty contact lenses. Many students have the opportunity to participate in contact lens research studies supported by industry, foundation and federal research grants.

### Low Vision Service

The Low Vision and Visual Rehabilitation Service provide comprehensive examinations and rehabilitative follow-up care to patients who are partially sighted. Persons of all ages who suffer from vision losses, that are not correctable by standard optical means, can often benefit greatly from the proper application of optical and non-optical low vision aids. Many of the patients examined in this service are legally blind. Such individuals usually have remaining vision which can be enhanced through the use of appropriate optical devices.

## Eye Health Management Service

The doctors in the Eye Health Management Service serve local patients with ocular disease, and consult in the diagnosis of patients with presumed ocular disease. The fourth year interns rotate through this service which utilizes advanced diagnostic technology to aid in the diagnosis and care of patients with conditions such as glaucoma, macular degeneration, diabetic eye disease, dry eye, infectious eye disease and many others. Interns learn the finer points of advanced differential diagnosis and clinical decision making. Interns also observe the co-management of patients that require surgical consultation of the ophthalmic community as the need arises.

## Dispensary Service

The Center offers patients full spectacle, frame and lens services. Clinicians are responsible for the frame selection of patients they examine. Second year students rotate through this service to get an opportunity to dispense new frame and lens materials, and instruct patients in their proper use, care and handling. Students also learn to fit, adjust and repair frames.

## Fourth Year Externship Program

In addition to the patient care experiences available through the University Eye Center and its affiliated clinics, the College of Optometry has a diverse Externship Program. Students must receive approval from the faculty and the Director of Externships for assignments to each Externship site. This program allows fourth-year students to spend a portion of their final year of training in a variety of patient care environments (i.e., military bases, Veterans Administration Hospitals, Indian Health Services Hospitals, various specialty practices and private practices).

These eight (8) week Externships are selected and scheduled with consideration given to the individual student's interest, needs and future practice intentions. In this program, students leave the academic environment and begin working with selected eye care professionals while continuing to be monitored by the faculty through bi-weekly reports of patient encounters, therapies, and activities. The Externship rotations are designed to give students exposure in the following areas:

- Pediatric/Binocular Vision Patient Care,
- Contact Lens Patient Care,
- Low Vision Patient Care,
- General (Primary) Patient Care,
- Refractive Management Patient Care,
- Eye Health Management Patient Care,
- Geriatric Patient Care,
- Optometric Rehabilitation Patient Care.

## Research

While the University Eye Center is primarily a patient care training facility, various members of the faculty are nationally and internally recognized for conducting patient care related research. Research in the areas of electrodiagnostic testing, contact lens design, materials and care regimens, orthokeratology, binocular visual anomalies, and treatment of ocular diseases is being investigated in association with the patient care activities of the Centers.

The College of Optometry is part of a university with a land-grant, research-oriented mission. The University is the only public academic institution in the state that has a primary research mission. Research compliments teaching because faculty active in the discovery of new knowledge provide students with the insight to understand and use this knowledge, and they also provide firsthand understanding of how discoveries are made.

There are two basic types of research conducted in any health-professions program: basic laboratory research and clinically-oriented investigations. As you read the descriptions of research, note that some studies are purely one or the other, and some are combined.



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## Faculty

**Dr. Carl Bassi** (Associate Professor) his research involves the development of novel approaches to evaluate the visual system in a number of patient populations. The goals are to improve disease diagnosis, assessment of progression, and treatment. There are currently four major areas of interest in the laboratory:

- the development of new devices for the assessment of color vision, visual suppression, and photophobia;
- evaluation of the effects of a macular pigment, zeaxanthin, on visual function;
- evaluation of color vision in applied settings;
- electrophysiological (including electroretinograms [ERGs] and visual evoked potentials [VEPs] as well as psychophysical techniques (including color vision, contrast sensitivity, and stereopsis) are used to assess structure-function relationships in patients with dementia, glaucoma, macular degeneration and other retinal abnormalities.

This work has been funded through Northrup-Grumman Technologies, Zeavision, Missouri Alzheimer's Association, University of Missouri Research Board, and a Weldon Springs award.

Dr. Bassi is the Director of Research for the College of Optometry, as well as the Chair of the campus Human Subjects review board.

**Dr. Edward Bennett** (Professor) is actively involved in the clinical investigation of contact lens designs, materials and care regimens. Over the past twenty-five years he and his co-workers have performed more than 100 contact lens research studies, most of which have been supported by the contact lens industry. Specifically, his area of interest has been gas permeable contact lenses. He is especially interested in evaluating different types of rigid contact lens bifocal designs, the effect of different variables of initial comfort of gas permeable lenses, and the use of GP lenses to reduce myopia with overnight wear (i.e., orthokeratology or corneal reshaping). He has authored or edited ten contact lens texts and two national board examination review books.

Dr. Bennett is Assistant Dean of Student Services and Alumni Relations for the College of Optometry.

**Dr. Kathleen Boland** (Associate Clinical Professor) serves in the areas of Primary Care and Community Services which provides vision examinations throughout the St. Louis metropolitan area. Dr. Boland provides eye and vision care at a variety of institutions throughout the region, many which serve the elderly and those with subnormal vision. Dr. Boland is the coordinator for the courses in Low Vision Rehabilitation and Geriatrics at the College. Dr. Boland has worked on research involving how carotenoid supplements affect light sensitivity. She has also worked with the University's Gerontology Department doing research regarding driver's licensing and vision impairment. Dr. Boland earned a Bachelor of Arts degree from Benedictine College, and a Doctor of Optometry degree from UM-St. Louis College of Optometry.

**Dr. Erin Brooks** (Assistant Clinical Professor) in Primary Care and Community Services, is a new addition to the full-time faculty of the College of Optometry. Dr. Brooks has served as a preceptor and instructor (part-time) in the College, including the Optometric Center and Grace Hill since receiving her O.D. from the UM-St. Louis College of Optometry in 2011 and her M.S. in 2013. She has a diversity of interests including children's vision, ocular disease, community health, and primary eye care. In addition to clinical duties, Dr. Brooks is currently involved in research concerning the Pupil Project. Dr. Brooks serves as the course coordinator of Ocular Motility and joint teaches the new neuro-ophthalmology course with Dr. Aaron Franzel.

**Dr. Larry J. Davis** (Dean/Associate Professor) currently serves as Dean of the College. He joined the University in 1993 as an Assistant Professor after having held a full time faculty appointment in the Department of Ophthalmology at Saint Louis University School of Medicine where he also served as Director of the Contact Lens Service from 1988-1993.

He is a Fellow of the American Academy of Optometry and Diplomat of the Cornea and Contact Lens Section. He serves on the Scientific Program Committee of the academy and is a past President of the Association of Schools and Colleges of Optometry (ASCO) and the Saint Louis Optometric Society (SLOS) representing over 200 members. He completed the inaugural yearlong UM-System Leadership Development Program for Department Chairs and was one of three academic leaders selected by ASCO to participate in a yearlong leadership program for administrators of health professions training programs. In 1999 the students at UM-St. Louis selected him as Outstanding Optometric Educator of The Year. He was awarded Optometrist of the Year in 1994 and Distinguished Optometrist for 2002 by the membership of the St. Louis Optometric Society.

Dr. Davis's area of academic specialization is cornea, contact lenses and anterior segment ocular disease with special emphasis in refractive management of the diseased and/or injured eye. From 1993 to 2004 he served as the UM-St. Louis participating clinic principal investigator for the Collaborative Longitudinal Evaluation of Keratoconus (CLEK) study, a multi-centered observational study of the common corneal disease.

Dr. Davis's teaching responsibilities have included service as coordinator of the two-semester course in Ocular Disease and Ocular Assessment, a course that he helped to establish. He also serves as facilitator for the course entitled Scenario Based Discovery; a case based introductory experience for students enrolled in their first professional year. He has also served as preceptor in the primary care, eye health management and contact lens services in the Center for Eye Care.

**Dr. Julie DeKinder** (Associate Clinical Professor) specializes in contact lenses. Dr. DeKinder is the Director of Residencies, the coordinator of the Cornea and Contact Lens Residency, the coordinator of Urgent Care services and the Chief of Contact Lens Service. Dr. DeKinder's primary teaching responsibilities include instructing Biochemistry 8060 and co-instructing Introduction to Contact Lenses and Ocular Assessment. Her primary clinical responsibilities include attending students in several contact lens and primary care clinics. Dr. DeKinder conducts contact lens research. She completed a Cornea and Contact Residency at the University of Missouri-St. Louis College of Optometry in 2005. She is a fellow of the American Academy of Optometry and is a member of the American Optometric and Missouri Optometric Associations.

**Dr. Keshia Elder** (Associate Clinical Professor) is the Director of Fourth Year Clinical Rotations. She is originally from Columbia, South Carolina and graduated from Clemson University in 1993 with a Bachelor of Science degree in Science Teaching: Mathematics. While attending the University of Alabama at Birmingham School of Optometry, Dr. Elder received a Health Professions scholarship from the United States Navy. She graduated from UAB in 1998 with her doctorate of Optometry and her Master of Science in Vision Science. After graduation, Dr. Elder served five years in the Medical service Corps in the United States Navy. Dr. Elder has held several academic positions prior to joining the faculty at the University of Missouri at St. Louis College of Optometry. At the UMSL College of Optometry, Dr. Elder teaches in the Foundations of Ocular and Systemic Disease and Management Course. In addition, she is an attending at several community clinics. Dr. Elder's research interests include ocular manifestations of autoimmune disorders, the effect of various contact lens materials and corneal surgeries on dry eye syndrome and health disparities related to primary eye care. Dr. Elder serves as the faculty advisor for the Gold Key Honor Society. She is a member of the Lectures and Workshops Committee for the American Academy of Optometry and ASCO's

Diversity and Cultural Competency Committee. She also serves on the editorial board for Optometric Education.

**Dr. Aaron Franzel** (Associate Clinical Professor) his clinical research involves the study of sensory and motor aspects of strabismus. In particular, he is interested in the development and progression of esotropia. Currently, he is studying familial esotropia, determining characteristics shared by these families and suggesting potential risk factors for the incidence of binocular dysfunctions in non-strabismic family members. He is also interested in developing more successful therapy regimens for adults with strabismus. Dr. Franzel is also involved in the Pupil Project, a collaborative project between the College of Optometry and the College of Education. The Pupil Project provides optometric, psychological and educational clinical evaluation, diagnosis and remediation for children with learning related vision problems.

**Dr. Christine Gavett** (Assistant Clinical Professor) graduated from UM-St. Louis in 1991, earning both a B.S. in Biology and Doctorate in Optometry. She explored a wide variety of primary care clinical settings prior to joining the faculty at UM-St. Louis in 2008. After graduation, she worked in private practices (both primary care and behavioral), commercial settings, and within the Missouri Department of Corrections for nine years.

Utilizing her background as an LPN (1978-1991), Dr. Gavett provides primary care supervision for third and fourth year student clinicians at various clinics, chart documentation oversight and audit, and electronic medical record instruction to students and faculty. She also lectures on these subjects, OSHA standards, and hypertension. Dr. Gavett counsels fourth year students while on externship, facilitates preclinic training with first and second year students, and is certified with the American Heart Association (AHA) in Basic Life Support for health care providers. Her most recent interest involves humanitarian aid trips to provide eye care to those in need in foreign countries.

**Dr. Vinita Henry** (Clinical Professor) is the Director of Clinical Operations. She serves as an instructor in the contact lens courses along with Dr. Bennett and Dr. DeKinder. She completed her Doctor of Optometry and Residency in Contact Lens at UMSL. Her area of clinical specialization is contact lenses. Dr. Henry conducts contact lens research including FDA investigational contact lenses and solutions, special contact lens designs and lens comparison studies. She is co-instructor of the contact lens courses. She is a Fellow in the American Academy of Optometry and a Diplomate in the Cornea and Contact Lens Section.

**Dr. Julie Hutchinson McGinnis** (Assistant Clinical Professor) earned her BA in Public Policy Studies while double minoring in Biology and Chemistry at Duke University. She earned her Doctorate of Optometry from the Pennsylvania College of Optometry at Salus University. After graduation, she completed a residency at the St Louis VA Medical Center, focusing on geriatric

optometry, and earned her fellowship in the American Academy of Optometry. Prior to joining faculty full-time, Dr. McGinnis was a part-time adjunct professor and practiced full-time primary care optometry in St. Louis. Dr. McGinnis has presented at several national conferences and continues to be actively engaged in writing and publishing articles in optometry journals. To date, her interests have focused heavily on posterior segment disease. In 2012, Dr. McGinnis was commissioned as a Captain in the United States Air Force Reserve.

**Dr. Edward Jarka** (Associate Clinical Professor) is the Director of the Eye Health Management Services at the University Eye Center. He concentrates his clinical practice in the treatment of ocular disease with a special interest in the diagnosis and management of ocular surface diseases. He is currently working on new diagnostic approaches for dry eye and is developing unique treatment for dry eye including the use of platelet-rich plasma (PRP).

Dr. Jarka pursued a wide variety of clinical and research opportunities prior to joining the faculty at UM-St. Louis in 2003. He has been in private practice and a staff member of a large staff model HMO. In 1994 he joined the CIBA Vision Corporation as a Senior Research Optometrist and worked on a number of projects that led to products in use today. The desire to concentrate in primary care led him to the Danville Eye Clinic, a large optometry/ophthalmology practice in East Central Illinois, where he concentrated in pediatric and primary care optometry. He has served as a consultant to the Veterans Administration Hospital in Danville and a member of the staff at the Provena United Samaritan Medical Center of Danville, IL.

He obtained his M.S., with emphasis in microbiology, from Western Illinois University in Macomb, Illinois and his Doctor of Optometry at the Illinois College of Optometry. He is also a member of the Tear Film and Ocular Surface Society.

**Dr. Thomas Landgraf** (Associate Clinical Professor), a graduate of Illinois College of Optometry, completed a Residency in Primary Care Optometry at the Pennsylvania College of Optometry. Prior to joining the faculty at the University of Missouri St. Louis College of Optometry in 2007, Dr. Landgraf served as Chief of the Advanced Care Ocular Disease Service at Southern College of Optometry. While at the Southern College of Optometry, Dr. Landgraf received numerous teaching awards. Dr. Landgraf is a nationally recognized lecturer on Treatment and Management of Ocular Disease and Injections. He is a fellow of the American Academy of Optometry. Dr. Landgraf has served in an administrative capacity on numerous occasions for clinical portion of the National Board of Examiners in Optometry. At the College of Optometry at the University of Missouri St. Louis, Dr. Landgraf teaches in the Ocular Disease clinical and didactic sequences.

**Dr. Linda Marks**, (Associate Clinical Professor) completed her undergraduate and post-graduate education at Ferris State University in Big Rapids, Michigan, earning her Doctor of Optometry degree from the Michigan College of Optometry in 2002. After graduation, she completed the pediatric/binocular vision residency at the University of Missouri-St. Louis College of Optometry and joined the clinical faculty at the College in August 2003.

Dr. Marks' instructional responsibilities include didactic and clinical education in diagnosis and management of binocular vision anomalies, in addition to primary and secondary care of pediatric patients. Her primary interests include vision therapy and treatment of patients with amblyopia, strabismus, learning-related vision disorders. She serves as the Coordinator of Pediatric Vision Screenings in addition to examining children on the college's Mobile Eye Clinic. Dr. Marks is a fellow of the American Academy of Optometry and serves as the faculty advisor to the UMSL-College of Optometrists in Vision Development (COVD) student chapter.

**Dr. W. Howard McAlister** (Associate Professor) his scholarly activity is primarily related to public health, specifically health policy, environmental vision and epidemiology. His current focus is international health care, involving optometric education, access to patient care and the impact of public policy in lesser developed countries, and diverse patient populations. Dr. McAlister has contributed heavily in these areas in refereed journals and textbooks. His research regarding the role of optometry in the interdisciplinary health care delivery system includes several studies dealing with the evolving primary care model of practice, specifically the coordination of care with primary care medical practitioners, the effect of changes in optometric practice acts on patient services, and scope of practice as it relates to classes of federal service optometry.

**Dr. Angel Novel Simmons** (Assistant Clinical Professor and Faculty Coordinator of Admissions) is a recent addition to the College of Optometry faculty. She completed undergraduate studies with honors at Xavier University of Louisiana with a Bachelor of Science degree in biology. Dr. Simmons obtained her Doctor of Optometry from UM-St. Louis College of Optometry in 2003. During her time at UMSL, Dr. Simmons was involved in various student organizations. Upon graduation, Dr. Simmons pursued specialized training in Ocular Disease Management/Primary Care through an accredited residency program at the VA Hudson Valley Health Care System in Montrose, NY. During her residency, Dr. Simmons was nationally recognized at the American Academy of Optometry and the American Optometric Association where she presented several invited posters. Post residency, she worked in a variety of practice modalities and received additional training in refractive management. Currently, Dr. Simmons precepts College of Optometry students at community based clinics in St. Louis and East St. Louis, and is involved in various didactic courses in the curriculum. Additionally, Dr.

Simmons has received the ASCO Diversity Grant in order to create and coordinate the *Eyes on Diversity*, which seeks to introduce underrepresented minority students to the profession of optometry. Lastly, Dr. Simmons is an active member of the American Optometric Association, Missouri Optometric Association (committee member public relations), St. Louis Optometric Society, ASCO Optometry Diversity and Cultural Competency Committee, and Cultural Competency Curriculum Guidelines Subcommittee.

**Dr. Mary Beth Rhomberg** (Assistant Clinical Professor) completed her undergraduate degree at St. Mary's College in Winona, MN and her optometric degree at University of Missouri-St. Louis College of Optometry. Upon graduation, she completed a Family Practice residency at the same college of optometry. Since graduating, she has served as a clinical preceptor and an instructor in optometric labs including disease, low vision, and ophthalmic optics. Dr. Rhomberg has practiced in the areas of cornea and refractive surgery and primary optometric care. She has also served the profession as an associate director in Clinical Care at the American Optometric Association. Dr. Rhomberg has served as the St. Louis Optometric Society president and is active in the Missouri Optometric Association. She is interested in clinical aspects of optometry and the profession of optometry.

**Dr. Erwin Wong** (Associate Teaching Professor) joined the College in 2005. He is a past recipient of a NIH National Eye Institute K23 (Clinician Scientist) grant for the research project entitled, "Extrastriate Visual Cortex Deficits in Amblyopia."

Dr. Wong is from Honolulu, Hawaii and received his undergraduate education from the University of Hawaii and professional education from the Southern California College of Optometry. Following a decade of clinical practice in ophthalmology and multidisciplinary medical clinics in Oregon, California and Hawaii, Dr. Wong served as an instructor at the University of Auckland Department of Optometry, New Zealand. He then received his graduate education from the University of Houston, earning a Ph.D. in physiological optics in 2003. His postdoctoral study occurred at the University of California, Berkeley, and Washington University in St. Louis. Dr. Wong's research involves using visual psychophysics incorporating first-order and second-order spatial stimuli to investigate the monocular and binocular spatial and temporal neural mechanisms in normal and amblyopic humans. His research contributes to basic and clinical vision science. Dr. Wong's teaching interests include didactic, research and clinical instruction in the areas of binocular visual development and amblyopia, visual psychophysics, cognitive neuroscience, and optometry.

## Curricular Outcomes

### Entry Level Practice Standards

#### The faculty has approved the following optometric Entry-level Standards:

Doctors of Optometry must have an established knowledge of the basic and clinical sciences in order to provide quality eye and vision care to their patients. The academic foundation must be broad and include the biological, medical, vision and optical sciences, as well as a basic understanding of the health care delivery system. A doctor of Optometry must recognize the dynamic nature of knowledge and possess the commitment and skills needed to responsibly assess and apply new information and treatment strategies throughout their career.

#### The UMSL College of Optometry shall ensure that before graduation each student will effectively utilize and demonstrate a working knowledge in patient care with each of the following areas:

##### I. PATIENT HISTORY

1. the basic elements of a comprehensive patient history
2. the ability to obtain an efficient patient history necessary for a problem oriented examination
3. the proper standard of recording patient history in EHR
4. the ability to relate patient history to examination findings

##### II. OPTOMETRIC KNOWLEDGE

5. basic body systems, with special emphasis on the ocular and visual system and their interrelationships to the body as a whole;
6. the impact of genes and their interaction with behavior, diet and the environment on human health;
7. the various processes and causes that lead to dysfunction and disease and the effect that these processes can have on the body and its major organ systems, with special emphasis on the ocular and visual systems;
8. the mechanisms of actions of the various classes of pharmaceutical agents, including injectable agents, and their interactions;
9. the structures and processes contributing to the development of refractive error and other optical or perceptual abnormalities of the visual system;
10. the optics of the eye and ophthalmic lens systems - including spectacles, contact lenses, and low vision devices;
11. the use of ophthalmic lasers in the management of refractive error and other anomalies of the eye;

##### III. PATIENT CARE

12. ophthalmic lens systems used to correct refractive, oculomotor and other vision disorders;
13. visual development and vision function with respect to deviation and enhancement of conditions such as, but not limited to, strabismus, amblyopia, ocular motility, accommodation, vergence and visual perception;
14. vision therapy and other rehabilitative methods used for the management of common visual disorders;
15. the detection, diagnosis, treatment and management of ocular disease and ocular manifestations of systemic disease;
16. the safe and effective use of pharmaceutical agents for the treatment of disease and conditions affecting the eye and visual system, and recognize adverse reactions;

17. the utilization of injectable agents for the management of ocular and systemic diseases
18. the concepts of refractive surgery and its management;
19. basic life support skills for prevention and response to life-threatening emergencies;
20. the use of ophthalmic lasers in the management of refractive error and other anomalies of the eye;
21. the use of evidence from well designed and conducted research in healthcare decision-making

##### IV. CLINICAL SKILLS

22. the importance of performing necessary examination techniques competently and efficiently
23. the capacity to adapt the administration of clinical tests to meet the needs of the patient
24. the obligation to maintain clinical skills through practice and repetition

##### V. RECORD KEEPING

25. the significance of proper documentation in the electronic health record
26. the proper use of abbreviations
27. the appropriate notation of clinical observations

##### VI. INTERPERSONAL AND COMMUNICATION SKILLS

28. the critical elements of verbal and written communications with patients and other health care professionals;
29. the psychosocial dynamics of the doctor/patient relationship;
30. the need for clear, accurate and appropriate documentation of patient encounters;
31. the manner in which people of diverse cultures and belief systems perceive human health and illness and respond to various symptoms, diseases and treatments;

##### VII. INTRA/INTER PROFESSIONAL CONSULTATION/PRACTICE

32. when there is a requirement for intra/inter professional consultation
33. the process of coordination among professionals involved in a patient's care

##### VIII. PROFESSIONALISM

34. the need for a commitment to uphold the ethical obligations of the Optometric Oath;
35. the specific duties and responsibilities toward the individuals they serve and toward society as a whole;
36. the provisions to guarantee patient privacy and medical record security as expressed by HIPAA regulations;
37. inter-professional values, related ethics and relationships among the professions;

##### IX. SYSTEMS-BASED PRACTICE

38. the practice management structure and strategies as they pertain to different practice settings;
39. the broad-based, multidisciplinary nature of the health care delivery system;
40. the role of the optometrist as a primary health care provider;

##### X. PRACTICE-BASED LEARNING

41. the conscientious use of current best practices in patient care decision making;
42. the necessity for a commitment to lifelong learning;
43. the information management systems and technology used in the delivery of eye and health care.

2001 College of Optometry; Revised 2001, 2010, 2011, 2012 and 2015

## Curriculum

### Academic Program

The curriculum leading to the Doctor of Optometry degree is a four-year, full-time program of study. The first year of the professional program emphasizes optical principles, the biomedical sciences and an introduction to the optics of the visual system. The second year pertains to vision science and instruction in clinical examination techniques. The third year emphasizes patient care and introduces the student to specialty areas within optometry, such as ocular disease treatment and management, contact lenses, pediatrics and geriatric vision care, binocular vision and vision therapy, and low vision rehabilitation. The second and third years also include course work and clinical instruction in ocular disease and pharmacology. The fourth year includes six (6) rotations through the Externship program, giving the student added experience in the management of eye diseases, as well as valuable experience in other optometric specialties.

### Four-Year Professional Degree (O.D.)<sup>‡</sup>

#### Curriculum

First Year Fall Semester	Credit Hours	Lecture Hours	Lab Hours <sup>†</sup>	Clinic Hours <sup>†</sup>
8010 Anatomy, Physiology and Disease Processes I	5	4	2	-
8020 Basic and Clinical Optics I	4	3	2	-
8030 Introduction to Optometry	1	1	-	-
8040 Neuroanatomy	4	3	2	-
8060 Biochemistry	3	3	-	-
8090 Case Based Discovery for the Developing Clinician	1	1	-	-
8350 Epidemiology	2	2	-	-

First Year Spring Semester	Credit Hours	Lecture Hours	Lab Hours <sup>†</sup>	Clinic Hours <sup>†</sup>
8110 Anatomy, Physiology and Disease Processes II	5	4	2	-
8120 Basic and Clinical Optics II	5	4	2	-
8160 Anatomy and Physiology of the Eye	5	4	2	-
8180 Clinical Optometry I	5	3	4	-
8190 Introduction to Clinical Diagnostic Reasoning	1	1	-	-

Second Year Fall Semester	Credit Hours	Lecture Hours	Lab Hours <sup>†</sup>	Clinic Hours <sup>†</sup>
8220 Ophthalmic Optics	4	3	2	-
8230 Interpersonal Communications	2	2	-	-
8240 Ocular Motility	2	2	-	-
8250 Monocular Sensory Processes	5	4	2	-
8260 Foundations of Ocular and Systemic Disease and Management I	4	3	2	-
8280 Clinical Optometry II	5	3	4	-

Second Year Spring Semester	Credit Hours	Lecture Hours	Lab Hours <sup>†</sup>	Clinic Hours <sup>†</sup>
8320 Ophthalmic Dispensing	1	-	2	-
8340 Binocular Vision and Space Perception	4	3	2	-
8370 Foundations of Ocular and Systemic Disease and Management II	7	6	2	-
8380 Clinical Optometry III	2	1	2	-
8390 Specialty Clinic Laboratory	1	-	2	-
8391 Clinical Topics in Contact Lens	1	1	-	-
8392 Clinical Topics in Binocular Vision and Pediatric Optics	1	1	-	-
8393 Clinical Topics in Low Vision	1	1	-	-
8560 Public Health	2	2	-	-

Third Year Fall Semester	Credit Hours	Lecture Hours	Lab Hours <sup>†</sup>	Clinic Hours <sup>†</sup>
8500 Primary Care Clinic I	6	-	-	12
8520 Contact Lenses I	3	2	2	-
8540 Binocular Vision Anomalies	4	3	2	-
8550 Low Vision	2	1	2	-
8570 Advanced Topics In Ocular and Systemic Disease & Management	6	5	2	-
8650 Geriatric Optometry	2	2	-	-

Third Year Spring Semester	Credit Hours	Lecture Hours	Lab Hours <sup>†</sup>	Clinic Hours <sup>†</sup>
8600 Primary Care Clinic II	6	-	-	12
8610 Environmental Vision	2	2	-	-
8620 Contact Lenses II	2	2	-	-
8630 Practice Management III	3	3	-	-
8640 Pediatric Optometry	2	2	-	-
8660 Contact Lens Specialty Clinic	1	-	-	2
8670 Comprehensive Case Review and Analysis	1	1	-	-
8680 Ophthalmic Lasers	1	1	-	-
8690 Pediatric /Binocular Vision Specialty Clinic I	1	-	-	2

<sup>‡</sup> Due to advances in the optometric profession, sequencing of courses may change. The courses listed above are subject to change through normal academic procedures. Refer to the addendum at the end of this bulletin for curriculum changes that may affect your program sequencing.

<sup>†</sup> Every two (2) lab hours and every two (2) clinic hours is equivalent to one (1) credit hour.

## Elective Courses in the College of Optometry

### Fourth Year Category 1 UM-St. Louis

	Credit Hours	Lecture Hours	Lab Hours <sup>†</sup>	Clinic Hours <sup>†</sup>
8700 UM-St. Louis Pediatric/Binocular Vision Patient Care	3	-	-	6
8710 UM-St. Louis Contact Lens Patient Care	3	-	-	6
8720 UM-St. Louis Eye Health Management Patient Care	1	-	-	2

8400	Directed Readings
8410	Directed Research

### Fourth Year Category 2 Institutional

	Credit Hours	Lecture Hours	Lab Hours <sup>†</sup>	Clinic Hours <sup>†</sup>
8780 External Rotation in Institutional Patient Care	7	-	-	14

### Fourth Year Category 3 Ocular Disease

	Credit Hours	Lecture Hours	Lab Hours <sup>†</sup>	Clinic Hours <sup>†</sup>
8790 External Rotation in Ocular Disease Patient Care	7	-	-	14

### Fourth Year Category 4 Community

	Credit Hours	Lecture Hours	Lab Hours <sup>†</sup>	Clinic Hours <sup>†</sup>
8730 Community Service Patient Care Rotation A	7	-	-	14
8750 Community Service Patient Care Rotation B	7	-	-	14
8760 Community Service Patient Care Rotation D	7	-	-	14
8770 Community Service Patient Care Rotation C	7	-	-	14

### Fourth Year Category 5 Specialty

	Credit Hours	Lecture Hours	Lab Hours <sup>†</sup>	Clinic Hours <sup>†</sup>
8800 External Rotation in Pediatric/Binocular Vision Patient Care	7	-	-	14
8810 External Rotation in Contact Lens Patient Care	7	-	-	14
8811 External Rotation in Ophthalmic Surgical Care	7	-	-	14
8812 External Rotation in Geriatric Patient Care	7	-	-	14
8813 External Rotation in Ophthalmic Sports Vision	7	-	-	14
8814 External Rotation in Primary Care	7	-	-	14
8815 External Rotation in Pathology and Treatment	7	-	-	14
8816 External Rotation in Ophthalmic Laser Treatment	7	-	-	14
8817 External Rotation in Rehabilitative Patient Care	7	-	-	14
8820 External Rotation in Low Vision Patient Care	7	-	-	14

### Fourth Year Category 6 Elective

	Credit Hours	Lecture Hours	Lab Hours <sup>†</sup>	Clinic Hours <sup>†</sup>
8830 External Rotation in General Patient Care	7	-	-	14
8840 External Supplementary Rotation in General Patient Care	7	-	-	14
8850 Supplementary Rotation in General Patient Care	7	-	-	14

### Fourth Year Required Courses

	Credit Hours	Lecture Hours	Lab Hours <sup>†</sup>	Clinic Hours <sup>†</sup>
8870 Practice Management IV	2	2	-	-
8880 Clinic Seminar	1	1	-	-

## Course Descriptions\*

The following 8000 level courses are taken in the Doctor of Optometry (O.D.) program. The numbers in parenthesis indicate the credit hours.

### **8010 Anatomy, Physiology and Disease Processes I (5)**

First in a two-semester course sequence that will detail the general anatomy of the human body along with the histology (microanatomy), physiology and disease processes of major organ systems. Course content will be presented in a modular format. Areas of discussion will include cardiovascular, respiratory, endocrine, digestive, reproductive, integumentary, and peripheral and autonomic nervous systems. The laboratories will emphasize and augment important concepts introduced in the classroom environment.

### **8020 Basic and Clinical Optics I (4)**

Prerequisite: Consent of instructor. Light as a wave, interference, vergence, shadows, chromatic properties of light, refraction at a plane surface, large and small angle prisms, thin lenses, cylinder lenses, effectivity, thick lenses, lens systems, mirrors, schematic eyes.

### **8030 Introduction to Optometry (1)**

An introduction to the profession of optometry, including a consideration of the characteristics of a profession, the behaviors and attitudes of a professional, the history of optometry, the profession's legal basis, the major optometric organizations, and sources and types of information available to optometrists.

### **8040 Neuroanatomy (4)**

Prerequisite: Consent of instructor. Detailed gross and microscopic anatomy of the human central nervous system with a special emphasis on the cranial nerves, nuclei, and the visual system.

### **8060 Biochemistry (3)**

Basic concepts of general and cellular biochemistry. Study of nomenclature structure, and reactions of organic molecules. Some emphasis on visual system - tears, intraocular fluids, lens, and photochemistry.

### **8090 Case Based Discovery for the Developing Clinician (1)**

Students acquire curricular competencies appropriate for the professional year in which they are enrolled via in depth individual and group discovery via case based presentations. The experience will provide students the opportunity to assimilate and recognize the relationships among diverse topics emphasized within the optometric curriculum. Participants work in groups of no more than 10. Course may be repeated for credit.

### **8110 Anatomy, Physiology and Disease Processes II (5)**

Prerequisite: OPTOM 8010 and OPTOM 8060. Continuation of Human Anatomy and Physiology and Disease Processes I.

### **8120 Basic and Clinical Optics II (5)**

Prerequisite: OPTOM 8020. Radiometry and photometry, polarization, scattering, emmetropia, myopia, hyperopia, astigmatism, models of experimental myopia, accommodation, diffraction, retinal image size, entoptic phenomena, aberrations, lasers and the eye, apertures, and optical instruments.

### **8160 Anatomy and Physiology of the Eye (5)**

Prerequisite: OPTOM 8010, OPTOM 8040 and OPTOM 8060 or consent of instructor. Vegetative anatomy and physiology of the eye, optic nerve, orbit, and adnexa will be discussed. This includes discussion of embryology and the dynamics of ocular fluids. Four lecture hours and a two hour laboratory per week.

### **8180 Clinical Optometry I (5)**

Selected tests for ocular assessment including case history, visual acuity, ophthalmoscopy, refraction, and binocular integration. The course format is two 75-minute lectures and two 2-hour laboratories.

### **8190 Introduction to Clinical Diagnostic Reasoning**

Introduction to clinical diagnostic reasoning by individual and group case-based learning. Scenarios give students an understanding of the relationship between basic and clinical sciences and provide an introduction to established best practices.

### **8220 Ophthalmic Optics (4)**

Prerequisite: OPTOM 8140, and OPTOM 8120. Ophthalmic materials, physical characteristics of lenses and frames, paraxial optics of ophthalmic lenses, ophthalmic prisms, lens specifications, special lenses, multifocal lenses, unique designs, aniseikonic lenses, aberration theory and its application to lens design, lenses for low vision, protective eyewear.

### **8230 Interpersonal Communications (2)**

Prerequisite: OPTOM 8030. Principles of human interpersonal relationships. The enhancement of listening and verbal skills will be provided. Emphasis will be preparing the student to understand and manage the many human interpersonal relationships necessary in the practice of optometry. Two hours of lecture per week.

### **8240 Ocular Motility (2)**

Prerequisite: OPTOM 8040 or consent of instructor. The anatomy, physiology, neurology, measurement, characteristics, and control of the intra and extraocular system.



**8250 Monocular Sensory Processes (5)**

Prerequisite: OPTOM 8160 or consent of instructor.

Monocular sensory processes of vision:

phototransduction, visual neurophysiology, spatial and temporal vision, acuity, light adaptation and discrimination, color, motion, objects and attention. Sensory processes are considered from both the psychophysical aspects and neurophysiological bases, including the changes during development, adulthood and aging. Four hours of lecture and two hours of laboratory per week.

**8260 Foundations of Ocular and Systemic Disease and Management I (4)**

Prerequisite: OPTOM 8110, OPTOM 8160 and OPTOM 8180. The first of a comprehensive, three semester course sequence. Topics will be discussed in a modular, system based approach. The course introduces students to disease and the organ systems they affect, clinical diagnoses, pharmacology on specified organ systems and optometric and medical management of ocular and systemic disease.

**8280 Clinical Optometry II (5)**

Prerequisite: OPTOM 8180. Continuation of clinical optometry. Patient care in the areas of refraction, binocular integration, perimetry, and bimicroscopy.

**8320 Ophthalmic Dispensing (1)**

Prerequisite: OPTOM 8220 Clinical experience in verification and dispensing of ophthalmic materials.

**8340 Binocular Vision and Space Perception (4)**

Prerequisite: OPTOM 8240, OPTOM 8250 and OPTOM 8280 or consent of instructor. Binocular vision and space perception. Visual direction, theory of correspondence, fusion, rivalry, ocular dominance, and stereopsis. Developmental aspects and neurophysiological mechanisms.

**8350 Epidemiology (2)**

A review of descriptive statistics, probability sampling, correlation, and prediction. The essentials of epidemiological study procedures and a discussion of the epidemiology of vision disorders.

**8370 Foundations of Ocular and Systemic Disease and Management II (7)**

Prerequisite: OPTOM 8260. A continuation of a comprehensive, systems based course sequence that introduces students to disease processes and the organ systems they affect, clinical diagnoses, pharmacology on specified organ systems and optometric and medical management of ocular and systemic disease. The laboratories will emphasize and augment important concepts introduced in the classroom environment.

**8380 Clinical Optometry III (2)**

Prerequisite: OPTOM 8280 Continuation of Clinical Optometry II. Diagnosis, prognosis and management of visual problems. Emphasis on conducting comprehensive eye exams in preparation for the initial clinical privileging examination.

**8390 Specialty Clinic Laboratory (1)**

Prerequisite: OPTOM 8280. Students acquire and practice skills for pediatric, binocular vision, low vision and contact lens examinations. The course format is one 2-hour laboratory per week.

**8391 Clinical Topics in Contact Lenses (1)**

Prerequisite: OPTOM 8280. This is the first in a series of 3 courses addressing contact lenses. The focus is on contact lens care and evaluation. The course format is one 50-minute lecture per week.

**8392 Clinical Topics in Binocular Vision and Pediatric Optometry (1)**

Prerequisite: OPTOM 8240 and OPTOM 8280. This course presents clinical diagnostic and management skills for both pediatric patients and those with binocular vision anomalies. The course format is one 50-minute lecture per week.

**8393 Clinical Topics in Low Vision (1)**

Prerequisite: OPTOM 8280. This course presents clinical diagnostic and management skills for patients with low vision. The course format is one 50-minute lecture per week.

**8400 Directed Readings (1-3)**

Prerequisite: Consent of Instructor. Credit is given for independent literature review of a specific topic in any area of basic or clinical vision science guided by a full time faculty member with appropriate interests. Credit is awarded upon approval of a written paper regarding the selected topic. This elective may be repeated up to a total of 3 credit hours.

**8410 Directed Research (1-3)**

Prerequisite: Consent of Instructor. Credit is given for independent research. Projects may be laboratory, library, or clinically based research in any area of vision science. Projects will be supervised by one or more full time faculty members. This elective may be repeated up to a total of 6 credit hours.

**8500 Primary Care Clinic I (6)**

Prerequisite: OPTOM 8380 and successful completion of all first and second year course work. The clinical examination and care of general clinic patients, along with the fitting and dispensing of lenses and frames.

### **8520 Contact Lenses I (3)**

Prerequisite: OPTOM 8380 and OPTOM 8391. Historical development of the contact lens and its use. Basic lens terminology, specifications, physiochemical characteristics, optics, fabrication, and verification. Preliminary patient evaluation, indications and contraindications for contact lenses. Basic fitting philosophies for all lens types. Lens care and patient education. Patient and practice management considerations.

### **8540 Binocular Vision Anomalies (4)**

Prerequisite: OPTOM 8340, OPTOM 8380 and OPTOM 8392 or consent of instructor. The etiology, epidemiology, symptoms, signs, and course sequelae of the obstacles to binocular vision - sensory, integrative, and motor. The detection, diagnosis, prognosis, and orthoptic treatment of such anomalies. Clinical care of aniseikonias.

### **8550 Low Vision (2)**

Prerequisite: OPTOM 8380 and OPTOM 8393. The etiology, epidemiology, symptoms, signs, and course sequelae of low vision problems. Methods of testing, prognosis, selection of therapy, design of environmental and optical aids, problems of rehabilitation. Agencies, laws, public and social assistance for the partially sighted and blind. Course format is 1-hour lecture and 1 two-hour laboratory per week.

### **8560 Public Health (2)**

A review of local, state, and federal organizations involved in health care, comprehensive health planning, new trends in health care delivery, and the assessment of the quality of health care delivery. The relationship of vision care to these topics is emphasized.

### **8570 Advanced Topics in Ocular and Systemic Disease and Management (6)**

Prerequisite: OPTOM 8370. The third semester of a comprehensive, systems based course sequence. Advanced topics in diagnosis as well as optometric and medical management of ocular and systemic disease will be discussed. The laboratories will emphasize and augment important concepts introduced in the classroom environment.

### **8600 Primary Care Clinic II (6)**

Prerequisite: OPTOM 8500 and successful completion of all Fall semester third year course work. Continuation of Primary Care Clinic I.

### **8610 Environmental Vision (2)**

Prerequisite: OPTOM 8500. This course considers the relationship of the eye and vision to all aspects of one's environment including home, work, recreation, and transportation. Emphasis will be placed on protecting the eye from injury and maximizing vision performance.

### **8620 Contact Lenses II (2)**

Prerequisite: OPTOM 8520. Advanced contact lens fitting, theories, and clinical methods for astigmatic, presbyopic, keratoconic, and aphakic designs. Special considerations include the use of corneal topography, orthokeratology, disposable lenses, lenses for extended wear and contact lens practice management. The course format is 1 lecture per week.

### **8630 Practice Management III (3)**

Prerequisite: OPTOM 8030 and OPTOM 8230. The development and management of an optometric practice from a patient and community service point of view - office design, office routine, patient care administration, personnel management, and recall systems. The establishment, development, and management of an optometric practice from a business point of view. Legal developments, governmental relationships, legislation and the legislative process, malpractice, professional ethics, taxes, fee structures, insurance, and accounting methods.

### **8640 Pediatric Optometry (2)**

Prerequisite: OPTOM 8380 and OPTOM 8540. Special examination and management considerations of the pediatric patient. Psychological, physiological, social, and demographic aspects of early visual development. Discussion of the optometric considerations of children with learning and reading disabilities. The course format is 2 lecture/discussions per week.

### **8650 Geriatric Optometry (2)**

(Same as Gerontology 6458.) Prerequisite: OPTOM 8380. Special examination and management considerations of the geriatric patient will be discussed. Psychological, physiological, social, and demographic aspects of aging, as well as ocular changes associated with the aging process will be taught.

### **8660 Contact Lens Specialty Clinic (1)**

Prerequisite: OPTOM 8391. The clinical examination and care of patients in the optometric specialty area of contact lenses.

### **8670 Comprehensive Case Review and Analysis (1)**

Prerequisite: Enrollment in OPTOM 8500 or OPTOM 8600. Discussion of the diagnosis and management of common clinic patient encounters via Socratic teaching techniques. Interns are encouraged to present actual cases which have been particularly challenging for them. The course format is a weekly seminar.

### **8680 Ophthalmic Lasers (1)**

Prerequisite: OPTOM 8570. Principles and applications of lasers for ophthalmic use. Emphasis will be placed on demonstration where possible. Topics will include the principles, physics and safety concerns of ophthalmic lasers. Lasers used in retinal imaging, and in the care of glaucoma, cataract, refractive conditions, and cosmetic conditions will be discussed and demonstrated. Comanagement of patients requiring ophthalmic laser treatment will also be covered.

**8690 Pediatric/Binocular Vision Specialty Clinic (1)**

Prerequisite: OPTOM 8392. The clinical examination and care of patients in the optometric specialty areas of binocular vision and pediatric vision.

**8700 UM-St. Louis Pediatric/Binocular Vision Patient Care (3)**

Prerequisite: Successful completion of all first, second, and third year course work. Comprehensive clinical care of patients in pediatric/binocular vision clinic at the University of Missouri-St. Louis University Eye Center. This course fulfills one of the clinic courses required for graduation. This course must be taken in conjunction with OPTOM 8710 and OPTOM 8720.

**8710 UM-St. Louis Contact Lens Patient Care (3)**

Prerequisite: Successful completion of all first, second, and third year course work. Comprehensive clinical care in the contact lens clinic at the University of Missouri-St. Louis University of Eye Center. This course fulfills one of the clinic courses required for graduation. This course must be taken in conjunction with OPTOM 8700 and OPTOM 8720.

**8720 UMSL Eye Health Management Patient Care (1)**

Prerequisite: Successful completion of all first, second, and third year course work. Comprehensive clinical care in the eye health management clinic with ophthalmologists at the University of Missouri-St. Louis University Eye Center. This course fulfills one of the clinic courses required for graduation. This course must be taken in conjunction with OPTOM 8700 and OPTOM 8710.

**8730 Community Service Patient Care Rotation A (7)**

Prerequisite: Successful completion of all first, second, and third year course work. Comprehensive clinical care of patients at St. Louis area community health centers. This course fulfills one of the clinic courses required for graduation.

**8750 Community Service Patient Care Rotation B (7)**

Prerequisite: Successful completion of all first, second, and third year course work. Comprehensive clinical care of patients at St. Louis area community health centers. This course fulfills one of the clinic courses required for graduation.

**8760 Community Service Patient Care Rotation D (7)**

Prerequisite: Successful completion of all first, second, and third year course work. Comprehensive clinical care of patients at St. Louis area community health centers. This course fulfills one of the clinic courses required for graduation.

**8770 Community Service Patient Care Rotation C (7)**

Prerequisite: Successful completion of all first, second, and third year course work. Comprehensive clinical care of patients at St. Louis area community health centers. This course fulfills one of the clinic courses required for graduation.

**8780 External Rotation in Institutional Patient Care (7)**

Prerequisite: Successful completion of all first, second, and third year course work. Comprehensive clinical care of primary care patients at external sites approved by the College of Optometry's Externship Council. This course fulfills one of the clinic courses required for graduation.

**8790 External Rotation in Ocular Disease Patient Care (7)**

Prerequisite: Successful completion of all first, second, and third year course work. Comprehensive clinical care of patients with ocular disease at external sites approved by the College of Optometry's Externship Council. This course fulfills one of the clinic courses required for graduation.

**8800 External Rotation in Pediatric/Binocular Vision Patient Care (7)**

Prerequisite: Successful completion of all first, second, and third year course work. Comprehensive clinical care of pediatric/ binocular vision patients at an external site approved by the College of Optometry's Externship Council. This course fulfills one of the clinic courses required for graduation.

**8810 External Rotation in Contact Lens Patient Care (7)**

Prerequisite: Successful completion of all first, second, and third year course work. Comprehensive clinical care of contact lens patients at an external site approved by the College of Optometry's Externship Council. This course fulfills one of the clinic courses required for graduation.

**8811 External Rotation in Ophthalmic Surgical Patient Care (7)**

Prerequisite: Successful completion of all second & third year coursework. Comprehensive clinical care of Ophthalmic Surgical Patients at an external site approved by the college of Optometry's Externship Council. This course fulfills one of the clinic courses required for graduation.

**8812 External Rotation in Geriatric Patient Care (7)**

Prerequisite: Successful completion of all second and third year coursework. Comprehensive clinical care of Geriatric Patients at an external site approved by the College of Optometry's Externship Council. This course fulfills one of the clinic courses required for graduation.

**8813 External Rotation in Ophthalmic Sports Vision (7)**

Prerequisite: Successful completion of all second and third year coursework. Comprehensive clinical care of Sports Vision Patients at an external site approved by the College of Optometry's Externship Council. This course fulfills one of the clinic courses required for graduation.

**8814 External Rotation in Primary Care (7)**

Prerequisite: Successful completion of all second and third year coursework. Comprehensive clinical care of Primary Care Patients at an external site approved by the College of Optometry's Externship Council. This course fulfills one of the clinic courses required for graduation.

**8815 External Rotation in Pathology and Treatment (7)**

Prerequisite: Successful completion of all second and third year coursework. Comprehensive clinical care in pathology and treatment of patients at an external site approved by the College of Optometry's Externship Council. This course fulfills one of the clinic courses required for graduation.

**8816 External Rotation in Ophthalmic Laser Treatment (7)**

Prerequisite: Successful completion of all second and third year coursework. Comprehensive clinical care in ophthalmic laser treatment of patients at an external site approved by the College of Optometry's Externship Council. This course fulfills one of the clinic courses required for graduation.

**8817 External Rotation in Rehabilitative Patient Care (7)**

Prerequisite: Successful completion of all second and third year coursework. Comprehensive clinical care in rehabilitative patient care at an external site approved by the College of Optometry's Externship Council. This course fulfills one of the clinic courses required for graduation.

**8820 External Rotation in Low Vision Patient Care (7)**

Prerequisite: Successful completion of all first, second, and third year course work. Comprehensive clinical care of low vision patients at an external site approved by the College of Optometry's Externship Council. This course fulfills one of the clinic courses required for graduation.

**8830 External Rotation in General Patient Care (7)**

Prerequisite: Successful completion of all first, second, and third year course work. Comprehensive clinical care of a general population of optometric patients at external sites approved by the College of Optometry's Externship Council. This course fulfills one of the clinic courses required for graduation.

**8840 External Supplementary Rotation in General Patient Care (7)**

Prerequisite: Successful completion of all first, second, and third year course work. Comprehensive clinical care of general population of optometric patients at an external site approved by the College of Optometry's Externship Council.

**8850 Supplementary Rotation in General Patient Care (7)**

Prerequisite: Successful completion of all first, second, and third year course work. Comprehensive clinical care of general population of optometric patients at the UM-St. Louis University Eye Center, UM-St. Louis Optometric Center, or the UM-St. Louis East St. Louis Eye Center.

**8870 Practice Management IV (2)**

Prerequisite: Successful completion of all first, second, and third year course work. Further in-depth discussion in practice management.

**8880 Clinic Seminar (1)**

Prerequisite: Successful completion of all first, second, and third year course work. Presentation and discussion of interesting clinical patients. Additional clinical testing techniques and concepts. Further discussion of patient data analysis – the process of determining diagnosis, prognosis, and therapy. Further discussions in the optometric specialties.

**8910 Topics in Geriatric Optometry (3)**

Prerequisite: OPTOM 8910. This course will address concerns and options in providing optometric care to a geriatric population. New techniques, research, and public policy changes will be discussed to assist students in assembling a global perspective on delivering health care to a specific population.

**8970 (591) Geriatric Patient Care Delivery (3-6)**

Prerequisite: Consent of Geriatric Residency Instructors. Direct optometric patient care to a population that is largely geriatric. Emphasis will be on integrating specialty care available for these patients to provide comprehensive vision care. Two hours of direct patient care per week are required per hour of credit. In addition, the student will attend weekly supervisory meetings. May be repeated with consent of instructor for a total of 18 credits. Patient care will become more independent of direct supervision and the type of patients seen will be more varied with each repeat.

\* If a student desires to waive a prerequisite for a given course, this request must be approved by both the instructor of this course and the Student Committee.

## Admission, Application, Selection, Acceptance

### Admission Requirements

	Semester	or	Quarter
English <sup>1</sup>	2	or	3
Biology (including laboratory) <sup>*</sup>	3	or	4
Physics (including laboratory)	2	or	3
Chemistry <sup>**</sup>			
General (including laboratory)	2	or	3
Organic (including laboratory)	1	or	2
Mathematics <sup>***</sup>			
Calculus	1	or	1
Statistics	1	or	1
Psychology	2	or	2
Liberal Arts	2	or	2

<sup>1</sup>One semester (or one quarter) of Microbiology with laboratory is a requirement. One semester of Anatomy or Physiology is recommended.

<sup>\*\*</sup>One semester of Biochemistry, Cell Biology or Human/Comparative Physiology is recommended.

<sup>\*\*\*</sup>Trigonometry as a prerequisite course for Calculus must be completed, either in high school (official high school transcripts required as proof), or college.

#### AP CREDIT POLICY: (Effective July 1, 2014)

The College of Optometry has adopted the following Advanced Placement (AP) credit policy:

A total of 10 hours of AP credit is acceptable if the applicant scored 4 or greater in the subject on the AP Exam. An official transcript is required.

- For science courses, in addition to the 10 hour limit and a score of 4 or higher achieved on the exam, the applicant must score a 330 or higher in that particular subject on the OAT exam.

The College of Optometry uses a rolling admissions process. All courses used to satisfy the admission requirements must have been taken at an institution fully accredited by one of the Department of Education regional accreditation bodies. Specific prerequisite courses must be taken for a letter grade; they cannot be taken as an Audit or on a Pass/Fail or Satisfactory/Unsatisfactory basis. Applicants must have completed 90 semester or 135 quarter hours (the equivalent of three years of college education) prior to the start of classes. In order to process financial aid awards, it is strongly recommended that students complete all prerequisite courses the spring prior to admission. The applicant cannot apply more than 60 semester-hours or 90 quarter-hours, that were earned at a two-year institution, toward the credit-hour requirement.

Applicants holding a bachelor's degree will be given preference over applicants with similar academic credentials who do not have a degree. There is no requirement that a student major in a specific area. Applicants to the college come from a variety of undergraduate backgrounds, such as biological sciences, chemistry, psychology, education, and business.

### Admission Test

All applicants are required to take the Optometry Admission Test (OAT). The OAT is now offered through computer sites. As the computerized version may be scheduled at any time, please plan to take the OAT by June of the year you plan to apply in order to be considered for early admission. Official test scores are acceptable for up to three years from the testing date.

Applicants are encouraged to take the examination by June of the year of application to the College of Optometry. If applicants wish to enhance their scores, the examination may be repeated. For OAT information, contact:

Optometry Admission Testing Program  
211 East Chicago Avenue  
Suite 1846  
Chicago, IL 60611  
(312) 440-2693  
<http://www.opted.org>

### Application Procedures

The Admissions Committee begins to process applications on July 1<sup>st</sup> for the class entering the following year. An applicant's file will be considered complete and ready for consideration by the Admissions Committee when the following material has been received (Asterisked (\*) items are processed by Centralized Application Service):

- \*1. Application and appropriate fee through Centralized Application Service;
2. supplemental application through UMSL with a \$50.00 (U.S. dollars) non-refundable application fee submitted online (accepts credit card or check);
- \*3. College transcripts followed by updated transcripts as they become available (Exception: graduates of international programs see deadline requirements for all transcripts);
4. official Optometry Admission Test (OAT) results must be released to UMSL;
- \*5. three letters of recommendation which includes one letter of recommendation from an optometrist who is not related to you or a composite evaluation prepared by the pre-professional advisory committee at the educational institution the applicant is attending. A composite letter may be used in place of all but the required OD letter. Letters are sent electronically through the OptomCAS portal and may be e-mailed or electronically entered. Up to four letters may be sent to OptomCAS.

The Centralized Application Service may be entered through [www.optomcas.org](http://www.optomcas.org).

Official transcripts must be mailed from every college attended, regardless of whether or not credit was earned, once an applicant has been offered admission and that applicant has accepted our offer of admission. (International students: transcripts must be submitted by the early application deadline of January 5.)

Letters of recommendation must be emailed or mailed directly to the Centralized Application Service center by the originator.

It is the applicant's responsibility to ensure all application materials are received by the Centralized Application Service center by February 15 (International students: transcripts must be submitted by the early application deadline of January 5.) to be considered for admission to the class entering in August of the same year. Facsimile (faxed) application material will be not accepted or acknowledged. Application material received after February 15 will not be evaluated for the class entering in August of the same year. To be considered for merit scholarships, there is an early enrollment deadline. **All materials must be received by January 5, in order to be considered for the early application deadline.** Applications received after that time will still be considered for admission but not additional awards e.g. merit scholarships, state seat contracts.

## Application Deadlines

### Early

(Scholarship considerations and state contract seats)  
Deadline: January 5. All materials must be received by 5:00 PM on this date to be considered.

### Final

Deadline: February 15. All materials must be received by this date to be considered.

## International Students

International students whose native language is not English and who have spent less than two of the last three years in an English-speaking country are required to submit scores from an internationally accepted standardized examination before a decision is made on admission.

To complete their credential file, applicants are required to furnish original and official transcripts by the early application deadline of January 5, from each school and college attended both in this country and abroad. The Educational Credentials Evaluators, Inc. or the World Education Services must evaluate **all international school and college transcripts** and their evaluation submitted as part of the application requirement. For information contact:

Educational Credentials Evaluators, Inc.  
Post Office Box 514070  
Milwaukee, WI 53203-3470  
(414) 289-3400  
Fax: (414) 289-3411  
E-mail: [eval@ece.org](mailto:eval@ece.org)  
Web site: <http://www.ece.org>

World Education Services  
Bowling Green Station  
P.O. Box 5087  
New York, N.Y. 10274-5087  
(212) 966-6311  
Fax: (212) 739-6100  
E-mail: [info@wes.org](mailto:info@wes.org)  
Web site: <http://www.wes.org>

The University of Missouri-St. Louis maintains an Office of International Student Services to assist applicants who have been offered admission. All new international students are required to attend a formal orientation program before matriculation. For more information, contact:

University of Missouri-St. Louis  
Office of International Student Services  
One University Boulevard  
St. Louis, MO 63121-4499  
(314) 516-5229

## Selection Procedures

Applications are reviewed beginning in August with interviews scheduled and initiated starting in September. The College uses a "rolling admissions" process which allows qualified applicants to be admitted on an ongoing basis until the class is filled. Therefore, applicants are encouraged to apply as early as possible to ensure full consideration for admission.

The Admissions Committee has the responsibility to review and evaluate all applicants and select the best-qualified candidates. The committee considers: an applicant's overall grade point average, the grade point achieved in the sciences, any grade trend over the years in college, and the scores on the Optometry Admission Test. Concurrently, candidates are evaluated on less quantitative measures such as: extracurricular activities and interests, related or unrelated work experience, written narrative, and letters of recommendation.

Those applicants whom the committee feels to be most competitive will be invited for an on-campus interview. The on-campus interview facilitates an assessment of the applicant's communication skills, interests, motivation, and personal characteristics. In addition, the on-campus interview allows the applicant to tour the facilities, meet with currently enrolled students, present questions regarding financial aid and housing, and learn more about the University of Missouri-St. Louis and the College of Optometry. From this group of interviewed applicants, the

entering class of approximately 44 students will be selected.

The policies of the University of Missouri-St. Louis and the College of Optometry comply with the provisions under those laws that forbid discrimination on the basis of race, color, religion, sex, sexual orientation, national origin, age, disability, or status as a Vietnam era veteran.

## Admission Process

Notices of acceptance may be received as late as July of the year in which the students enter the program. If acceptance to the class is conditional, the terms of the condition must be completed prior to matriculation. Applicants who have indicated that degree requirements will be completed prior to matriculation, and who have been selected for admission, may receive a conditional offer of acceptance contingent upon completion of the degree.

Students offered admission have 15 days from the date on the offer of admission letter to make a required \$500 acceptance deposit. The \$500 deposit will be credited toward tuition when the student matriculates. \$250 of the \$500 deposit is refundable if the student relinquishes his/her seat before May 15. After May 15, the deposit is non-refundable.

A certain number of applicants are placed on an alternate list. If an applicant who has been offered admission declines the offer, their position will be allocated to the next individual on the alternate list.

Notification of denial is sent by mail. If an applicant is interested in reapplying, they will need to reapply through the Centralized Application Service.

## Immunization

The University requires that students born after 1956 to provide documented proof of immunity for measles and rubella, through current immunization records or disease documentation by a physician. Beginning with the Fall 2002 entering class, optometry students are required to show evidence of having the Hepatitis B immunization prior to matriculation.

A TB screening is required the 3<sup>rd</sup> year of school before the student begins seeing patients in the clinic and again in the 4<sup>th</sup> year before the student begins the externship rotations.

## Residency

Optometry students who do not meet the residency requirements must pay the nonresident educational fee according to the schedule outlined in the "Fees and Estimated Cost of Education" section of this Bulletin. A definition of "residency" is outlined in *Tuition and Residency Rules*, available in the cashier's office (314-516-5151 or on the web at <http://www.dhe.mo.gov/studentresidencyrequirements.shtml>). Students are responsible for registering under the proper residency and paying the proper educational fees.

Questions related to residency requirements should be directed to:

Mr. Jerry Hoffman  
University of Missouri-St. Louis  
Residency Office  
One University Boulevard  
St. Louis, MO 63121  
(314) 516-4973

## Admission Guidelines for Entering First Professional Year Students

The College of Optometry supports the following guidelines recommended by the Association of Schools and Colleges of Optometry (ASCO):

1. Applicants may be offered an acceptance for admission at any time and required to place a deposit at any time.
2. An institution should not ask accepted applicants to relinquish their alternate status at other institutions prior to the applicant's enrollment.
3. All offers of admission made prior to May 15 of the year of matriculation should allow the applicant at least two weeks in which to respond. After May 15, offers of acceptance may require a response time of less than two weeks. A statement of intent should permit the applicant to withdraw if later accepted by a college that he or she prefers.
4. The acceptance deposit, less an administration fee as determined by the individual institution, should be refunded until at least May 15. The deposit should be credited toward tuition when the student matriculates.
5. The schools and colleges should encourage applicants accepted after May 15 to immediately notify and withdraw from colleges or colleges where a seat is being held.

*Approved by the Board of the Association of Schools and Colleges of Optometry (2013)*

## Pre-Optometry Programs

The University of Missouri-St. Louis offers a four-year program of study leading to the doctor of optometry degree; this professional degree is administered by the College of Optometry. It is one of only 21 currently accredited schools of optometry in the United States and the only one in the state of Missouri. This program, as a result, makes UM-St. Louis an ideal institution for pre-optometry education. Various programs are available for pre-optometry as noted below.

Students may pursue a traditional 4+4 program, which is a bachelor's degree followed by the four-year graduate optometry program. In this case, students may pursue any bachelor's degree, as long as the pre-optometry requirements are met in biology, chemistry, mathematics, physics, psychology and English.

### 3 + 4 Program

Students may apply for the 3 + 4 program through Arts and Sciences advising department. Students must complete forms through the Arts and Sciences Pre-Medicine office by calling 314-516-5501 or stopping by 303 Lucas Hall.

#### Requirements of the 3 + 4 Program:

**Waiver Forms:** Please fill out and sign all waivers. Failure to do so may exclude you from receiving an interview and letter. These forms can be obtained from the Office of Advising with the College of Arts and Sciences.

**GPA Requirement:** Students are required to maintain a 3.2 GPA, and receive a grade of "B" in all required classes. All additional science courses must be at least a "C."

**OAT:** Students are required to have an overall score of 300.

**Official Admission to College of Optometry:** Students should apply to the College of Optometry through OptomCAS.

**Receiving Bachelor's Degree:** Students must fill out the Bachelor of Interdisciplinary Studies (BIS) Application as part of compliance with the 3 + 4 Program; however, if they are approved to pursue a Biology degree, this requirement is waived, but will include additional Biology courses. Once admitted into the College of Optometry, students will receive their BIS after the completion of their first semester. Students must apply for undergraduate graduation prior to matriculation into the College of Optometry.



## Fees & Estimated Cost of Education

### Education Fees

All students enrolled in the University must pay educational fees based on either the schedule for Missouri residents or the schedule for non-residents. All optometry students will be required to pay the non-resident educational fee if they do not meet the University of Missouri residency requirements at the time of enrollment.

For current fees and costs\*, please check [http://www.umsi.edu/services/cashiers/fee\\_sch.htm](http://www.umsi.edu/services/cashiers/fee_sch.htm) and be certain to select appropriately optometry resident/nonresident.

\*A Summer Session is required between the third and fourth professional year.

### Other Required Fees

Other required fees and parking fees are now part of general tuition.

### Student Health Insurance (optional)

An Accident and Sickness Insurance plan is available to students and their dependents. Information concerning premiums and coverage is available upon request from University Health Services. Visit their web site at [www.umsi.edu/services/health](http://www.umsi.edu/services/health) or call (314) 516-5671. For students registered at UM-St. Louis College of Optometry, health insurance is also available through the American Optometric Student Association. Visit the web site at [http://www.studentinsurance.net/Public/ClientBrochures/2004\\_1849\\_1.pdf](http://www.studentinsurance.net/Public/ClientBrochures/2004_1849_1.pdf).

### Late Registration Fee

Students registering after the close of the regular registration period must pay a \$50.00 late registration fee.

The University reserves the right to modify by increase or decrease the fees charged for attendance and other services at the University, including but not limited to educational fees, at any time when in the discretion of the governing board the same is in the best interest of the University, provided that no increases can or will be effective unless approved by the governing board not less than thirty (30) days prior to the beginning of the academic term (semester, etc.) to which the fees are applicable and such increase does not exceed ten (10) percent over the fee level existing immediately prior to the increase, with all modification of fees to be effective irrespective as to whether fees have or have not been paid by or on behalf of a student prior to the effective date of the modification.

### Personal Checks

Personal checks in payment of fees or other obligations to the University will be accepted only when the amount of the check does not exceed the amount due from the student. Any checks payable to the University which are returned unpaid will be assessed a \$20 return check charge.

### Delinquent Indebtedness

All delinquent indebtedness to the University must be cleared before transcripts or diplomas will be released or before the next registration period, if enrolled.

### State Reciprocal Agreement

The College of Optometry currently has a State Reciprocal Agreement for residents of Kansas. This agreement permits the College of Optometry to admit up to three eligible Kansas residents in each entering class to receive the award (12 total in the College). The recipients of this award are charged the equivalent of Missouri educational fees. If more than the allowable number (typically two or three) Kansas residents are admitted to the entering class, the College of Optometry will select the recipients for this award based on a combination of grade point average, admission test scores, and the interview evaluations. The recipient(s) of the award will not be determined until all Kansas applicants have been reviewed. (Applications must be completed, however, by the early application deadline of January 5 to be considered.)

To apply for this award, applicants must be certified as a bona fide Kansas resident and meet financial need (FAFSA). Seats will not be offered until after FAFSA data is available. For Kansas residency certification, contact:

Kansas Board of Regents  
Kansas Optometry Service Scholarship  
1000 S.W. Jackson Street, Suite 520  
Topeka, KS 66612-1368  
(785) 296-3518

Additionally, Kansas residents accepting a seat are required to return to Kansas to practice following graduation or completion of a residency program.

### Estimated Cost of Education

There are numerous factors that must be considered when determining how much it will cost for a four-year optometric education. These include required fees, textbooks, equipment, and cost of living. Additionally, financial aid in the form of scholarships and assistantships should be considered.

Merit scholarships range from \$250-\$2,250 for residents and \$500-\$14,000 for nonresidents. If the student missed the January 5<sup>th</sup> deadline, it is possible that no monies were awarded. The average award was \$1,900 for a resident and \$9,562 for a nonresident.

The average debt for the Class of 2013 is \$136,341 (with debt ranging \$38,000-\$225,000).

**Textbooks and Equipment**

	Required Textbooks*	Required Equipment*
1st Year Student	\$ 1,200.00	\$ 3,300.00
2nd Year Student	800.00	3500.00
3rd Year Student	1,000.00	500.00
4th Year Student	0.00	0.00

\* Text book and equipment figures are approximated.

**Additional Fees**

Students are required to complete a background check in their third year. The cost of this background check can range between \$50.00 and \$200.00.

KMK Review occurs in preparation of Part I of Boards during a student's third year with a cost of \$500.00.

Other fees include: travel for Part III of Boards, Externship travel and housing.

## Financial Aid

The University of Missouri-St. Louis maintains an Office of Student Financial Aid to assist students with the cost of their education.

Financial assistance is available in the form of grants, loans, scholarships, and work-study. Funds for these programs are available from federal, private, state, and institutional resources. To apply for financial aid, students must complete a Free Application for Federal Student Aid (FAFSA). Preference will be given to those students who have completed the FAFSA by April 1. Preference means that the Student Financial Aid Office will begin awarding FWS (Federal College Work-Study), and Federal SEOG (Federal Supplemental Educational Opportunity Grant). A completed financial aid application means that the Financial Aid Office has received an official Student Aid Report from the Federal Processing Center. Information about Federal loan programs and FAFSA are available at [www.fafsa.ed.gov](http://www.fafsa.ed.gov). Students must complete a FAFSA form online to receive Federal Financial aid and to receive some scholarships.

The Student Financial Aid Office maintains a Web site at [www.umsl.edu/services/finaid](http://www.umsl.edu/services/finaid), where students will find useful information along with the ability to contact the office electronically via e-mail. Also included is a scholarship directory that is updated annually.

To be considered for all university scholarships offered through the Financial Aid Office, a student must be accepted for admission.

Many state optometric associations and their auxiliaries offer scholarships and grants. Application is generally made directly to the state association or auxiliary and selection is generally made on the basis of state residence and other criteria. Information may be obtained by writing to the various state optometric associations and/or auxiliaries.

The College of Optometry will provide additional information about scholarships and the college's Handbook of Loans, Scholarships, Grants, and Awards to applicants after being admitted. Many of the College's scholarships are listed on the College Web site at <http://optometry.umsl.edu/about/scholar.html>.

### Eligibility for Federal Aid

All recipients must meet the following general eligibility requirements:

- be enrolled at least half-time or accepted for enrollment;
- be working toward a degree or certificate;
- be a U.S. citizen or eligible non-citizen;
- be making satisfactory academic progress;
- not owe a refund on a Pell Grant or be in default on a Federal Education Loan;

- be registered for Selective Service (if required);
- have financial need (except for William D. Ford Direct Loan, formerly called Unsubsidized Stafford Loan).

Note: Eligible Non-citizen is a U.S. permanent resident who has an I-151 or I-1551 (Alien Registration Receipt Card). Students on an F1 or F2 student visa only, or on a J1 or J2 exchange visitor visa only, cannot receive federal student aid.

### Application Process

To apply for federal aid, complete the Free Application for Federal Student Aid (FAFSA) and mail it to the federal processor in January or as soon as possible thereafter. For those applicants with Internet access, the FAFSA may be completed on the Web at [www.fafsa.ed.gov](http://www.fafsa.ed.gov). (Caution: Do not submit more than one application.) The University of Missouri-St. Louis code is 002519. Applications become available in most college and university Student Financial Aid offices after January 2.

In order to be considered for campus need-based programs (e.g., Perkins, Federal Work-Study), the FAFSA must be processed by the federal processor by the "priority" deadline of April 1. Applications filed thereafter will be considered on a "funds available basis." Late filers, in order to apply, must complete a Request form; this form is available in the University's Office of Student Financial Aid.

Note: Independent optometry students, who wish to be considered for the full range of financial aid, must provide parent information. Specifically, the Health Professional Student Loan (HPSL), and Scholarship for Disadvantaged Students (SDS) require parent information from independent students.

At the present time, the following financial assistance programs are available:

### Federal Work-Study (FWS)

The FWS program provides jobs for those students who are enrolled at least half-time and has demonstrated need for financial assistance in meeting their education expenses. The maximum amount is \$2,500 per academic year.

The FWS program provides jobs on campus at a wage per hour at least equal to the current minimum wage. Eligible students may be employed for 28 hours per week during the summer and no more than 20 hours per week during the academic year.

## Veterans Benefits

Veterans eligible to receive monthly benefits or widows and children of deceased veterans who are interested in applying for benefits should contact the University's Veterans Office, 269 Millennium Student Center, for information.

Veterans enrolled at the University must achieve special academic standing. All veterans should read the current Handbook of Educational Benefits, published by the Office of Veteran Affairs. This booklet explains the regulations and procedures that apply to them. Veterans are responsible for abiding by these special regulations.

## Financial Aid Appeal

The University of Missouri-St. Louis has an established financial aid appeals procedure. An aid applicant can raise questions or appeal the offer, or lack of an offer, of financial aid if not satisfied. Refer to Financial Aid Appeals in the Appendix.

## Loans

### Health Professions Student Loan (HPSL)

The HPSL program is for students to pursue a course of study in specified health professions by providing long-term low interest loans (5 percent). The maximum loan amount cannot exceed the cost of attendance. HPSL award levels are subject to availability of funds.

### Direct PLUS Loans for Graduate and Professional Degree Students

Graduate and professional degree students can borrow a Direct PLUS Loan to help cover education expenses.

The terms and conditions applicable to PLUS Loans for parents also apply to PLUS Loans for graduate and professional students. These terms and conditions include: 1) determination that you (the applicant) do not have an adverse credit history; and 2) a fixed interest rate of 7.21% (2014-15) for Direct PLUS Loans.

### William D. Ford Federal Direct Student Loan Program

The aggregate amount for undergraduate and professional unsubsidized loans is \$225,000. The interest rate is variable and may change each July 1. There is a period of 10-30 years to repay.

### Unsubsidized

Award is not need based; the maximum award per year is \$16,000. The borrower is responsible for the interest during in-college, grace, and deferment periods.

## Scholarships, Fellowships, and Grants

Many scholarships and awards are available from many sources. The College of Optometry cannot assume responsibility for listing a scholarship or award which is no longer available. As of the publication of this document, these were known to exist. Not all scholarships and awards are administered by the College of Optometry or the University of Missouri-St. Louis. Students must contact the outside entity for those scholarships and awards administered outside the university or college.

### Scholarship for Disadvantaged Students (SDS)

The SDS program is for students to pursue a course of study in specific health professions by providing funds to students with exceptional financial need who are from disadvantaged backgrounds. SDS award levels are subject to availability of funds.

### Indian Health Scholarship (IHS)

Through the Department of Health and Human Services Public Health Service Act, the National Health Service Corps (NHSC) offers a competitive scholarship to any U.S. citizen or national who is enrolled or accepted for full-time enrollment in a nationally accredited college or training program of a participating discipline (including optometry), eligible for Federal employment either under the Civil Service or in the Commissioned Corps of the U.S. Public Health Services, and free of other service obligations which might conflict with the service obligations of the NHSC. Special preference is given to eligible American Indian and Alaskan Native applicants who are certified by the Indian Health Service for such status. The scholarship recipient receives full tuition, required fees and a monthly stipend.

### Air Force Scholarship

Sponsored by U.S. Armed Forces (Air Force)  
Award: 100% tuition and fees, expenses, and monthly stipend.

Eligibility: Be a U.S. citizen and physically qualified for an Air Force commission; be currently enrolled in or accepted for the next enrolled class of a College of Optometry; and have completed the Optometry Admission Test (OAT).

### Alberta Scholarship

Sponsored by Alberta Association of Optometrists  
Award: Up to three (3) \$500  
Eligibility: Resident of Alberta

### Alumni Scholarship

Sponsored by the College of Optometry Alumni  
Award: Variable, as available.  
Eligibility: Any enrolled student.

### (A.H.) Basman, O.D. Bursary

Sponsored by the Manitoba Optometric Society  
Award: \$500  
Eligibility: Manitoba resident.

### **Army Scholarship**

Sponsored by U.S. Armed Forces (Army)  
Award: 100% tuition, fees, expenses, and monthly stipend.  
Eligibility: Be a citizen of the U.S.; be enrolled in or have a letter of acceptance from an accredited college or college of optometry located in the U.S. or Puerto Rico; and meet the prescribed eligibility criteria for appointment as a commissioned officer.

### **Bellingrath Scholarship in Optometry**

Sponsored by Dr. and Mrs. Edward Bellingrath  
Scholarship Fund administered through UMSL College of Optometry  
Award: Variable  
Eligibility: Demonstrated student leadership and civic responsibility; must be nominated by a faculty member, a staff member or an alumnus/a.

### **Beta Sigma Kappa Research Grant**

Sponsored by Beta Sigma Kappa  
Award: Not to exceed \$1,000.  
Eligibility: Currently enrolled student (preferably above the 1st year); student does not have to be a member of Beta Sigma Kappa. A faculty advisor is required to oversee the project and to assure that a final report is submitted to BSK by the student.

### **Essilor of America Student Grant Award**

Sponsored by Essilor of America, Inc. competitive entry through UMSL College of Optometry  
Award: \$500 per college plus entry into national judging  
Eligibility: Third or fourth year student.

### **(Helen L.) Gadell Scholarship in Optometry**

Sponsored by the Helen L. Gadell Scholarship Fund administered through UMSL College of Optometry  
Award: Variable  
Eligibility: Full-time optometry student beginning the third or fourth year of the program; must have a minimum cumulative grade-point average of 3.0; demonstrate financial need as determined by the Free Application for Federal Student Aid (FAFSA).

### **(Dr. Seymour) Galina Grant**

Sponsored by American Optometric Association administered through UMSL College of Optometry  
Award: \$2,500  
Eligibility: Beginning fourth year student; member in good standing of the American Optometric Student Association (AOSA).

### **(Mary M.) Gilbert Scholarship in Optometry**

Sponsored by the Mrs. Mary M. Gilbert Scholarship Fund administered through UMSL College of Optometry  
Award: Variable  
Eligibility: Minimum grade point average of 3.0 and a member of the American Academy of Optometry and/or the American Optometric Association.

### **International Order of the King's Daughters and Sons Health Careers Scholarships**

Sponsored by International Order of the King's Daughters and Sons  
Award: Variable.  
Eligibility: Applicants may be from any health care field.

### **The William R. Jackson Jr., O.D. Memorial Scholarship**

Sponsored by Dr. William R. Jackson Jr. Estate  
Administered through the College of Optometry  
Award: Variable  
Eligibility: Currently enrolled; resident of Missouri at time of matriculation.

### **The William R. Jackson Jr., O.D. Memorial Scholarship**

Sponsored by Dr. William R. Jackson Jr. Estate  
Administered through the Missouri Optometric Foundation in cooperation with the UMSL College of Optometry  
Award: Variable  
Eligibility: Currently enrolled fourth year student; resident of Missouri; based on external rotation site selected by the Missouri Optometric Foundation.

### **Kansas Optometric Foundation and the Kansas Foundation for Vision Awareness Scholarships**

Sponsored by the Kansas Optometric Foundation and the Kansas Foundation for Vision Awareness  
Award: Two (2) \$1,000 awards  
Eligibility: Accepted or enrolled students and resident of Kansas

### **Will G. Kelley Memorial Scholarship**

Sponsored by the National Optometric Association  
Award: \$1,000  
Eligibility: Scholastic achievement, honors and awards for scholastic and community activity, communication skills, extracurricular activities, and financial need.

### **Dr. Robert A. Koetting Scholarship**

Sponsored by Dr. Robert A. Koetting and friends of Dr. Robert A. Koetting Scholarship Fund administered through UMSL College of Optometry  
Award: Variable  
Eligibility: Beginning fourth- year optometry student; minimum grade-point average of 3.5; member of the American Academy of Optometry and/or the American Optometric Student Association.

### **Merit Scholarship**

Sponsored by the College of Optometry  
Award: Variable  
Eligibility: Entering first year students are offered a merit scholarship based on his or her OAT section scores and undergraduate cumulative GPA. In order to keep this scholarship, the student must maintain a GPA above 2.5 in the optometry program.

### **Merit Minority Scholarship**

Sponsored by the College of Optometry

Award: Variable

Eligibility: Entering first year students are offered a merit scholarship based on his or her OAT section scores and undergraduate cumulative GPA. In order to keep this scholarship, the student must maintain a GPA above 2.5 in the optometry program.

### **Michigan Scholarship**

Sponsored by American Foundation for Vision Awareness Michigan Affiliate

Award: (3) \$700

Eligibility: Resident of Michigan; completion of application in 3rd year; 'B' average or better; must demonstrate need of financial assistance; must sign letter of intent to practice ethical optometry according to the AOA rules of practice.

### **National Eye Institute Predoctoral Research Fellowship (Summer Research Program)**

Sponsored by National Eye Institute of the National Institutes of Health

Award: Variable

Eligibility: Currently enrolled optometry students attending University of Houston, University of Missouri-St. Louis, Northeastern State University, Pennsylvania College of Optometry, or Southern California College of Optometry.

### **Navy Scholarship**

Sponsored by U.S. Armed Forces (Navy)

Award: 100% tuition, fees, expenses, and monthly stipend.

Eligibility: Student must be fully accepted for the next entering class; be a citizen of the United States; be of good moral character; and must meet the physical requirements for a Navy commission.

### **Optometric Extension Program Senior Student/Recent Graduate Research Grant**

Sponsored by Optometric Extension Program

Award: \$500

Eligibility: Senior or recent graduate conducting research concerning behavioral aspects of vision and clinical applications.

### **Optometric Student Scholarship**

Sponsored by Optometric Society of Greater Kansas City, Inc.

Award: \$500

Eligibility: Resident of greater Kansas City area; 2nd, 3rd or 4th year student not on academic or disciplinary probation.

### **(Hilda L.) Rand Scholarship**

Sponsored by the Auxiliary to the Maine Optometric Association

Award: \$500

Eligibility: Resident of Maine.

### **Saskatchewan Scholarship**

Sponsored by the Saskatchewan Optometric Foundation and the Saskatchewan Association of Optometrists

Award: \$500 per year.

Eligibility: Resident of Saskatchewan.

### **Skeffington/Alexander Award**

Sponsored by Optometric Extension Program Foundation, Inc.

Award: \$1,000

Eligibility: Any student.

### **(Dr. A.M.) Skeffington Memorial Scholarship**

Sponsored by friends of Dr. A.M. Skeffington and Dr. Robert L. Mobley Scholarship Fund administered through UMSL College of Optometry

Award: Variable

Eligibility: Fourth year optometry student with demonstrated interest in pursuing the specialty of binocular vision, vision perception, and vision therapy.

### **Student Leadership Award**

Sponsored by the American Optometric Association entry through UMSL College of Optometry

Award: \$1,000

Eligibility: Third year student in good standing in the American Optometric Student Association and the American Optometric Association and in good academic standing at a college/college of optometry.

### **Student Travel Fellowship**

Sponsored by American Academy of Optometry

Award: \$500 Travel Grants.

Eligibility: Student enrolled in O.D. or residency program or enrolled in vision science graduate program.

### **Travel Award**

Sponsored by Alcon Laboratories

Administered through the Heart of America Chapter of the American Academy of Optometry

Award: Variable

Eligibility: Third year student and member of the American Academy of Optometry.

### **Vision Service Plan Scholarship**

Sponsored by Vision Service Plan administered through UMSL College of Optometry

Award: (2) \$2,000 and plaque

Eligibility: Awarded to fourth year students who have demonstrated excellence in primary eye care, are in the top half of their class and have a commitment to enter the independent practice of optometry.

### **Wal-Mart Scholarship**

Sponsored by Wal-Mart administered through UMSL College of Optometry

Award: Three (3) \$1,000 awards

Eligibility: Second, third, or fourth year student, minimum grade-point average of 3.0, employed as an associate of Wal-Mart Vision Center or an affiliated optometrist.

**Washington Affiliate Scholarship**

Sponsored by American Foundation for Vision Awareness-Washington Affiliate

Award: \$500

Eligibility: Resident of Washington.

**Women in Optometry (WinO) Scholarship**

Sponsored by the WinO Scholarship Fund administered through UMSL College of Optometry Award:

approximately \$500 annually

Eligibility: Preference is given to a female, but it is awarded to the entering student demonstrating the most financial need. It is awarded in the second semester of the student's first year.

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## Graduation Awards

Graduating students receive a number of awards at the Honors Banquet that honor their academic and clinical achievements. Among these are:

### **Alcon Fourth Year Case Study Award**

Sponsored by Alcon Laboratories, Inc.

Award: \$1,000

Eligibility: Awarded to the graduate who has written the best case study determined to be the most qualified entry that used an Alcon product.

### **A. M. Skeffington Memorial Scholarship Award**

Sponsored by the A. M. Skeffington and friends of Dr. Robert Mobley Scholarship Fund

Award: Plaque

Eligibility: Awarded to a graduate for excellence in binocular vision anomalies, pediatric optometry, binocular vision and space perception, as well as an interest in the principals of Dr. Skeffington and the Optometric Extension Program.

### **Clinical Binocular Vision/Vision Therapy Award**

Sponsored by the College of Optometry

Award: Certificate

Eligibility: Awarded to a graduate in recognition of clinical performance in the area of binocular vision/vision therapy.

### **Clinical Excellence Award**

Sponsored by the GP Lens Institute

Award: Plaque and GP Diagnostic Lens Set

Eligibility: Awarded to a graduate in recognition of clinical performance in the area of contact lens care.

### **Clinical Excellence Award**

Sponsored by the Missouri Optometric Foundation

Award: \$1,000 and plaque

Eligibility: Awarded to the student who has demonstrated highest level of all aspects of clinical patient care.

### **Contact Lens Clinical Award**

Sponsored by Paragon Vision Sciences, Inc.

Award: (2) Plaques

Eligibility: Awarded to the graduate who has demonstrated clinical excellence in the field of contact lenses.

### **Dean's and the Dr. M. Earl McClellan Memorial Awards**

Sponsored by the Missouri Optometric Foundation and the College of Optometry

Award: \$1,000 and plaque

Eligibility: Awarded to a graduate for outstanding scholarship.

### **(William) Feinbloom Low Vision Award**

Sponsored by Designs for Vision, Inc.

Award: Certificate for magnifiers

Eligibility: Awarded to the graduate who has demonstrated excellence in both the didactic and the clinical aspects of low vision care.

### **(Dr. William R.) Jackson Jr. Memorial Award**

Sponsored by the Missouri Optometric Foundation

Award: One (1) \$3,000 and two (2) \$1,000

Eligibility: Awarded to a graduating student who best exemplifies independent professional optometry. Three students are selected by peer vote by the members of the graduating class. They are personally interviewed and the recipient is chosen by the Missouri Optometric Foundation Board of Directors.

### **(Charles C.) Matlock Memorial Award**

Sponsored by the Charles C. Matlock Family

Award: Plaque

Eligibility: Awarded to the graduate who has achieved distinction in the area of pediatric optometry.

### **Ocular Instruments Award of Excellence**

Sponsored by Ocular Instruments

Award: Certificate of Achievement and a certificate that may be redeemed for any diagnostic lens in the Ocular Instruments Catalogue (up to a \$295 value).

Eligibility: Awarded to the graduate who has demonstrated academic and technical excellence in the field of ophthalmic optics and ophthalmic dispensing.

### **Silver Medal Award**

Sponsored by Beta Sigma Kappa International Optometric Honor Fraternity

Award: Silver Medal

Eligibility: Awarded to a graduate for outstanding scholarship.

### **Vistakon Award of Excellence in Contact Lens Patient Care**

Sponsored by Vistakon

Award: \$1,000 and plaque.

Eligibility: Awarded to the graduate who provided outstanding clinical contact lens patient care as indicated by his or her knowledge of the subject matter and demonstrated clinical skills in managing contact lens patients.



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## Office of Student Services

The primary function of the College of Optometry Office of Student Services is to administer all student services and address student needs. More specifically, the office staff:

- administers the College's student recruitment and admissions programs;
- prepares and distributes the "Schedule of Courses;"
- coordinates registration;
- provides academic advising;
- maintains all student records and the college's academic records;
- provides students with housing information;
- coordinates placement activities;
- processes applications to state boards;
- administers the tutorial service;
- provides debt management activities;
- assists with activities such as Commencement;
- advises student organizations;
- acts as an information source for the student body;
- provides other services as specific needs arise.

The Office of Student Services publishes the Optometry Student Handbook.

In addition, the Office of Student Services will assist undergraduate advisors in the selection of appropriate pre-optometry courses at their institution and coordinates "Optometric Workshops" during the year for prospective students.

## Student Services

The University and the College offer numerous services to assure the students' physical and emotional well-being while pursuing the professional program. All services are included in the UM-St. Louis Student Academic Planner and/or the (optometry) Student Handbook. These publications are given to entering students during the orientation program. Some of the services offered by the University and the College are:

### Millennium Student Center

The Millennium Student Center is the location of the Women's Center, University Bookstore, Food Service, Student Activities offices, Student Government offices, *The Current* student newspaper, and various meeting rooms and study lounges. The Center is also the location of Financial Aid, Health Services, and the Cashier. Banking and copying services are also available.

### Emergency Motorist Assist

As a service to motorists on campus, an emergency vehicle operates 7am-11pm, Monday through Thursday and 9am-5pm on Friday to assist in unlocking car doors when keys have been locked inside, jump-starting cars with dead batteries and securing outside towing service in the event major repair is needed. 516-5155.

### Emergency Phones

Emergency phones on campus provide a direct line to the campus police. They may be utilized to report such problems as injury and car trouble, and are located at various sites on campus and near most major parking areas.

### Parking

All students can obtain a parking pass which is included in student tuition.

Failure to comply with traffic regulations may subject students to disciplinary action, payment of an additional fee, and the denial of the privilege to operate a motor vehicle on campus. Copies of Traffic Regulations for the University of Missouri-St. Louis are available at UM-St. Louis Institutional Safety and the Cashier's Office. The College of Optometry cannot take responsibility for the payment of penalties in the event that students violate these policies.

### MetroLink Pass Program

The University of Missouri-St. Louis has purchased for its students a prepaid pass program with Bi-State Development Agency. Beginning Fall semester 2010, students enrolled in a course will be eligible to receive one (1) Metro pass regardless of credit hours taken. No additional charge will be assessed to the student when picking up the pass from the Cashier's Office. The pass can be use on all MetroLink and Bi-State buses in metropolitan St. Louis (St. Louis County, the City of St. Louis, and the Illinois counties of Madison and St. Clair) when classes are in session.

To participate in the program, students must have an official University of Missouri-St. Louis student photo ID with a current semester decal and a valid MetroLink pass. Decals are available at the Cashier's Office, 284B Millennium Student Center, upon payment of tuition and fees. Replacement for lost or stolen Metro passes is limited to one per term at a cost of \$25.00.

### Campus Shuttles

UM-St. Louis operates a campus shuttle for students when classes are in session. Students may use this service free of charge. The shuttles stop at numerous locations on the North and South Campuses. Schedules and routes are posted at various locations across campus. The shuttle schedule can be viewed at [http://www.umsl.edu/~transportation/transportation/campus\\_shuttle.html](http://www.umsl.edu/~transportation/transportation/campus_shuttle.html).

### Bookstore

The Bookstore is located in the Millennium Student Center and is headquarters for ordering textbooks and supplementary reading materials. In addition to textbooks, popular hardback and paperback offerings and other books for enjoyment and learning are available; the Bookstore can order any book in print. The Bookstore also has gift items, cards, insignia items, and college supplies. 516-5763 or <http://www.umslbookstore.com>.

### Information Technology Services

The Office of Information Technology Services provides microcomputer and mainframe support for your academic needs. There is no additional charge for use of these facilities. Non-credit short courses are offered in the fall and spring semesters that provide hands-on experience. 516-6000 or <http://www.umsl.edu/technology>

## Student Computing Services

UM-St. Louis provides a wide array of computing services. Student computing services are funded through the Instructional Computing Fees. These fees support eight open access computing laboratories.

There are Windows 7, Mac, and UNIX workstations available. All of the labs provide laser printing and all are staffed with student lab assistants who can provide assistance in usage of the machines and with selected software applications.

In addition, a Student Resource Center has special hardware and software to meet additional needs of students. The resources in this room include a color scanner, a color printer, special multi-media software, and a portable projection unit. The equipment in this room can be reserved by contacting the supervisor of the Student Computing Labs.

## Child Development Center

The Child Development Center is a campus-based child care center serving the UM-St. Louis and surrounding communities. It is the intent of the Center to provide high quality children's and parent programs, staff development and teacher training, and serve as a site for child study/research. The Center, located in the South Campus Classroom Building of the South Campus, provides full and half-day care for children who range in age from six weeks to five years. A summer program for college-age children five to 12 years old is also available.

Child care fees vary according to the age of the child and the attendance schedule. The Center phone number is (314) 516-5658.

Parents are advised to call well in advance of needs, as there are usually long waiting lists for the daytime program.

## Health and Fitness Facilities

The facilities available in the Mark Twain Building are numerous and varied to meet the needs of almost every athletic interest. The building includes the athletic and physical education departments and all indoor intercollegiate and intramural-recreational activities.

The indoor swimming pool is available to all members of the University community for daily open recreation. Other areas of interest in the Mark Twain Building include an indoor running track, new fully equipped weight room/fitness center, an aerobics fitness center, saunas and whirlpool, four courts available for handball and racquetball on a reservation basis, and a training room and locker rooms for both men and women. Lockers in both the men's and women's areas may be checked out to students, faculty, staff, and alumni on a semester basis. In

order to obtain additional information regarding locker room services, check with the attendant on duty.

The largest single area of the Mark Twain Building is the gymnasium, which has a seating capacity of 4,700 when all of the portable bleachers are utilized. When the bleachers are retracted, the gymnasium includes three basketball courts on the main floor, as well as one court on each of the deck areas, one floor level above the main basketball court. Both the main gym floor and the deck areas can be used for such activities as volleyball and badminton plus a wide range of other activities found in the University's comprehensive program of intramural and recreational sports.

In addition to the indoor facilities, the UM-St. Louis athletic complex contains approximately six acres of outdoor space including soccer, baseball, and softball fields, six tennis and two outdoor handball courts, and an intramural/recreational playfield. Also available is a 1.5 mile "Fit" Trail which winds through campus and a new "Fit" Court located west of the building.

## University Health Services

University Health Services offers first-aid, general health consultations, and referral services. Blood pressure checks and screening tests for vision and hearing are done routinely. Free pamphlets on various health matters are also available. University Health Services also offers health education and screening programs throughout the year.

Handicapped Parking Permits are issued by University Health Services upon presentation of a Medical Certificate verifying a disability. In addition, a regular parking sticker and car license number are necessary in order to process an application for Handicapped Parking.

Brochures, applications, and claim forms for the Student Accident and Sickness Insurance Plan are available at University Health Services.

University Health Services is located in the Millennium Student Center and is open 8:00 am-9:00 pm, Monday through Thursday, and 8:00 am-5:00 pm on Friday. Evening hours are in effect only when evening classes are in session. 516-5671 or [www.umsl.edu/services/health/](http://www.umsl.edu/services/health/)

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## Drug and Alcohol Prevention Program

Pursuant to the Drug-Free Colleges and Communities Act Amendments of 1989, the University of Missouri-St. Louis is required to establish a drug and alcohol prevention program for its students and employees. A biennial review of this program will be done to determine its effectiveness, to implement changes to the program if they are needed, and to ensure the University's disciplinary sanctions are consistently enforced.

(<http://www.umsl.edu/~studentplanner/Policies%20and%20Procedures/drugsalcohol.html>)

## Standards of Conduct

University of Missouri regulations prohibit the unlawful possession, use, distribution and sale of alcohol and illicit drugs by University students and employees on University-owned or controlled property and at University-sponsored or supervised activities.

## Legal Sanctions

Local, state, and federal laws also prohibit the unlawful possession, use, distribution, and sale of alcohol and illicit drugs. Criminal penalties for violation of such laws range from fines up to \$20,000 to imprisonment for terms up to and including life.

## University Discipline

Violation of these University of Missouri regulations can result in disciplinary action up to and including expulsion for students and discharge for employees.

## Health Risks

Specific serious health risks are associated with the use of illicit drugs and alcohol. Some of the major risks are listed below.

**Alcohol and Other Depressants** (barbiturates, sedatives, and tranquilizers): Addiction, accidents as a result of impaired ability and judgment, overdose when used with other depressants, damage to a developing fetus, heart and liver damage.

**Marijuana:** Addiction, panic reaction, impaired short-term memory, increased risk of lung cancer and emphysema (particularly in cigarette smokers), impairment of driving ability.

**Cocaine:** Addiction, heart attack, seizures, lung damage, severe depression, paranoia, psychosis. Similar risks are associated with other stimulants, such as speed and uppers.

**Hallucinogens** (acid, LSD, PCP, MDMA, etc.): Unpredictable behavior, emotional instability, violent

behavior, organic brain damage in heavy users, convulsions, and coma.

**Narcotics** (heroin, Demerol, Morphine, Codeine, etc.): Addiction, accidental overdose, risk of hepatitis and AIDS from contaminated needles.

**Inhalants** (gas, aerosols, glue, nitrites, etc.): Loss of consciousness, suffocation, damage to brain and central nervous system, sudden death, nausea and vomiting, nosebleeds, impaired judgment.

## Resources

A variety of resources exist for drug or alcohol counseling, treatment, or rehabilitation programs. For detailed information concerning these resources available from the University and/or community agencies, students, employees, and faculty may contact the offices below. Such referrals will respect individual confidentiality. The UM-St. Louis Drug and Alcohol Prevention Program is described in a brochure. To obtain the brochure and more information, contact counseling Service, 427 Social Sciences and Business Building, 516-5711; University Health Services, 125 Millennium Student Center, 516-5671; Office of Human Resources, 211 General Services Building, 516-5804; or Vice Chancellor for Academic Affairs, 407 Woods Hall, 516-5361.

## Non-Smoking Policy

At the University Assembly meeting on November 9, 2010, the following non-smoking policy was approved for the UMSL campus.

(<http://umsl.edu/smokefree/Policy/index.html>)

**Policy:** Effective **July 1, 2012**, the University of Missouri-St. Louis became completely smoke-free on all campus property, both indoors and outdoors. Campus property includes all owned or leased buildings, parking garages and parking lots; owned or leased vehicles; and owned or leased outdoor grounds and sidewalks. This policy applies to faculty, staff, students, contractor and consultant employees, performers, visitors and general public.

**Exceptions:** The policy does not apply to individuals in privately owned or privately leased vehicles with the windows and sunroofs or similar devices in the fully closed position, or to individuals participating in academic research on tobacco-related topics or other such accommodations approved by the Campus Institutional Review Board, provided that the activity is conducted in an appropriately ventilated area. The Chancellor may approve other exceptions to the policy based upon a written request from a senior level administrator.

**Smoking Cessation:** University Health, Wellness and Counseling Services will work to provide smoking cessation programs for all students, faculty and staff.

**Respect and Responsibility:** The success of this policy relies on the thoughtfulness, consideration, and cooperation of smokers and nonsmokers for its success. All members of the University community share the responsibility of adhering to the nonsmoking policy. They

## Housing

The University of Missouri-St. Louis offers on-campus housing for students; residence hall and apartment space is available. Housing is available during the academic year and summer session. On-campus housing provides on-site laundry facilities, mail delivery, and shuttle service. A variety of educational and social programming is offered, and students are encouraged to be active members of the residential and campus community.

The College, through the Office of Student Services, also assists students in locating off-campus housing consistent with their needs and desires.

Since housing is such an important issue, time is taken during the applicant's visit to the college for the personal interview to discuss the individual needs of the applicant related to housing. After an applicant has been accepted for admission, the necessary information is obtained to assist the student in locating and securing appropriate housing.

## Placement

The University, through Career Services, helps students to develop, implement, and evaluate job search strategies. In addition, the College of Optometry coordinates Placement Service such as assistance with writing a CV or resume and assistance in networking skills.

## Upperclass Student Advisory Program

The program was instituted in 1981 as a voluntary program for incoming students to help alleviate problems and stresses related to transition into the professional college program and in most cases, the stresses of moving to a new city.

The entering student is matched with a senior student who is available to answer questions and give general assistance. This program also provides an opportunity for the entering student to become acquainted with students in the program prior to the first day of classes.

## New Student Orientation Program

An orientation program is held during the week prior to the beginning of classes for the Fall Semester to introduce students to the administration and faculty and to acquaint them with college policies, procedures, and services offered by the University and College. All entering students are required to attend this two-day program.

should also bring it to the attention of visitors. Any complaints should be brought to the attention of the appropriate University authorities. If conflicts or problems should arise, environmental health and safety considerations shall prevail.

## Tutorial Service

The College administers the Tutorial Service through the Office of Student Services. Tutorial sessions can be individual or in a group; tutors are faculty-approved and there is no charge to the student for the service.

## Counseling

The University's Counseling Service offers free, non-academic professional assistance to students and their families. Counseling can be done individually, with a spouse, or in a group.

## Services to Students with Disabilities

The University of Missouri is committed to equal educational opportunities for qualified students without regard to a disabling condition. The University, therefore, will take necessary action to ensure that no otherwise qualified student with a disability is denied access to any particular course or educational program. Such action includes an assessment of the student's abilities and an evaluation of the particular course or program.

## International Student Services

The Office of International Student Services provides and coordinates services for international students, including visa and immigration matters, information requests, non-academic advising, initial campus arrival, and social activities.

## Veteran Affairs

The Veteran Affairs Office serves as liaison between students and various government offices to provide information on educational benefits, privileges and responsibilities relating to Veteran Administration benefits.

A certifying official is available to answer questions and process official paperwork.

Veterans are certified to the Veteran Affairs Regional Office (VA) beginning with the date of initial registration, and regularly until the expected completion date of the VA approved program or degree. Veteran students must promptly inform the certifying official of any changes in status which might affect benefits. Failure to report such changes can result in overpayments and other complications in receipt of benefits.

Veteran students are expected to attend classes, perform academic duties as assigned by instructors and adhere to

academic policies. Failure to do so will result in reports to the VA of unsatisfactory progress, which may result in discontinuance of benefits. Veteran students who cease attending, but do not officially withdraw from class or from the University, will be reported as not making satisfactory progress. If enrollment status is altered in any way, the VA will be notified and an overpayment may be charged against the veteran.

## **Minority Affairs**

The College is active in the recruitment and retention of individuals coming from underrepresented ethnic minority groups.

The College has a number of characteristics that makes it an ideal place for minority students to attend. One is the number of minority faculty who has been an important source of support for current and former minority students. Another ideal characteristic is the small class size (44 students for each class) which allows for more individualized interaction between the students and faculty.

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## Student Activities/Organizations

### Campuswide Student Government

Students are involved in most levels of decision making on the campus, including the Student Association, Senate, and special committees and boards within the individual colleges and departments. All students are members of the campus wide Student Association, which is designed to work toward full student participation in all aspects of university life, university affairs, and policy-making. It represents the student body in all facets of university governance and provides services to the campus community.

### Student Organizations

There are more than 100 recognized student organizations offering UM-St. Louis students opportunities to enrich their college education through extra-curricular activities. They include social fraternities and sororities, honor societies, religious and fine art groups, those serving special constituencies (i.e., minority students, international students) the student newspaper, curriculum-oriented and recreational groups, and athletic support organizations (i.e., cheerleading). All of the recognized student organizations follow the principles and procedures established by the University to prevent discrimination and to assure maximum freedom to students.

Optometry students, through professional and honor societies, have many opportunities to participate in social activities, serve the profession and College, and promote professional attitudes and behavior.

#### **American Academy of Optometry (AAO), American Optometric Association (AOA), and the Missouri Optometric Association (MOA)**

Students enrolled in the professional program are eligible for student membership in the American Optometric Association (AOA), the Missouri Optometric Association (MOA), and other state optometric associations in states where the student anticipates to practice. Student membership usually provides the student with an opportunity to receive the organization's publications and to attend meetings.

#### **American Optometric Student Association (AOSA)**

The AOSA is the only official student organization of the American Optometric Association. The purpose of the AOSA is to enhance the visual welfare of the public, to contribute to the education and welfare of optometry students and to improve the student societies of each optometry college.

The national structure of AOSA consists of an executive council made up of four elected national officers and a board of trustees composed of one student from each of

the 17 schools and colleges of optometry in the United States.

AOSA communities, functioning at national, regional, and local levels, provide opportunities for participation in such areas as education, professional liaisons, public health, minority recruitment, national affairs, and financial aid.

Every year the AOSA holds a National Congress. These congresses provide educational classes and an opportunity to meet students from other schools and colleges of optometry.

AOSA also publishes the Foresight, a national student newspaper that reports on activities at all colleges and individual and collective student opinions on current optometric issues.

#### **American Optometric Student Association—St. Louis (AOSA—St. Louis)**

All optometry students enrolled in the University of Missouri-St. Louis College of Optometry are eligible for membership in the student optometric association, which is affiliated with the American Optometric Student Association; the college chapter is referred to as AOSA-St. Louis. Through this organization, students become involved in local and national optometric activities. AOSA provides an environment for the cultivation of professional leadership skills, and members have organized and participated in a variety of community service activities, including community health screenings and vision care to residents of nursing homes, convalescent hospitals, and mental institutions.

AOSA-St. Louis publishes the Eye Opener, a news bulletin.

#### **Beta Sigma Kappa-St. Louis (BSK-St. Louis)**

BSK is the only international honor society for optometry students. It is designed to further optometric education by recognizing achievements and providing grants for student research.

#### **College of Optometrists in Vision Development (COVD)**

Students enrolled in the professional program are eligible for student membership in COVD. Student membership provides the student with the organization's publication and the opportunity to attend the annual meeting. COVD is an international organization dedicated to the study and promotion of the developmental aspects of patient care.

### **Fellowship of Christian Optometrists (FCO)**

The purpose of FCO is to encourage Christian optometry students to become involved in mission work, which combines eye care and the furtherance of the Gospel of the Lord. This may be achieved by bearing witness to the Lord in one's usual environment such as the work place or an educational institution.

### **Gold Key Honor Society**

The purpose of the Gold Key Honor Society is to recognize upper-class students who have demonstrated an outstanding professional and ethical attitude through leadership and service.

### **Kansas Optometric Student Association (KOSA)**

The KOSA is the UMSL Student chapter of the KOA. The KOSA mission is to provide dissemination of information vital to optometry students seeking to practice in Kansas and to promote the practice of optometry in Kansas.

### **Missouri Optometric Student Association (MOSA)**

MOSA is the student chapter of the Missouri Optometric Association. The mission of the MOSA is to provide ongoing information concerning the importance of individual support of the Missouri Optometric Association's activities and the advancement of the optometric profession to optometry students. In addition, the MOSA will establish a student political body that will provide legislative support for the optometric profession in Missouri, assist the MOA when needed at conference and vision screenings, and acquaint Missouri residents and non-residents with Missouri optometrists.

### **National Optometric Student Association-St. Louis (NOSA-St. Louis)**

NOSA is the student chapter of the National Optometric Association whose membership is predominantly minority optometrists. NOSA-St. Louis strives to uphold the goals of the NOA through vision screenings, recruiting minority students into optometry, and encouraging retention of minority students in optometry. Membership is open to all optometry students.

### **Society for Advancement of Independent Optometry (SAIO)**

SAIO advanced the idea of independent optometry and private practice through externally funded speakers of interest to students on the topics around owning and maintaining a private practice.

### **Student Volunteer Optometric Services to Humanity (SVOSH)**

SVOSH is a student chapter of the Volunteer Optometric Services to Humanity, an international organization of optometrists providing free vision care to people in impoverished nations. Used eyeglasses are collected, cleaned, straightened, and catalogued. Students participate in missions with various state VOSH chapters which include practicing optometrists, opticians, and other volunteers.



## Academic Policy

### Positive Work and Learning Environment

The University of Missouri is committed to providing a positive work and learning environment where all individuals are treated fairly and with respect, regardless of their status. Intimidation and harassment have no place in a university community. To honor the dignity and inherent worth of every individual—student, employee, or applicant for employment or admission—is a goal to which every member of the university community should aspire and to which officials of the university should direct attention and resources.

With respect to students, it is the university's special responsibility to provide a positive climate in which students can learn. Chancellors are expected to provide educational programs and otherwise direct resources to creative and serious measures designed to improve interpersonal relationships, to help develop healthy attitudes toward different kinds of people, and to foster a climate in which students are treated as individuals rather than as members of a particular category of people.

### College of Optometry Code of Conduct

The College of Optometry faculty and administration are committed to the enforcement of policies necessary to discourage academic dishonesty by students. A lack of integrity toward the educational process lowers the morale of other students, deceives the student and instructor and may have a profound effect upon one's ability to become licensed.

While the faculty and administration believe that the vast majority of our students have the integrity necessary to maintain good ethical conduct, it is also understood that some may be driven to improve their performance through extreme measures. Therefore, in order to decrease the tendency toward deceptive academic performance, the faculty and administration will implement and enforce policies to discourage academic dishonesty by students.

Students enrolled in the College of Optometry assume an obligation to conduct their behavior in a professional manner, compatible with the University function as an educational institution.

Refer to the UM-St. Louis Code of Student Conduct published in the Appendix.

### Credit Hours

The University credit unit is the semester hour, which represents a subject pursued one period weekly for one semester of approximately 16 weeks or for a total of approximately 16 periods for one term. Generally, a course valued at three semester hours meets for three periods weekly for one semester; a two-credit course meets for two periods a week for a semester, and so on. Normally, the lecture or recitation period is fifty minutes long and the laboratory period one hour and fifty minutes. The number of credit hours is in parentheses after each course title. If the credit is variable, to be fixed in consultation with the instructor, it is shown as (1-15).

### Non-Clinical Grading Criteria

The following grading criteria are used by the faculty and will be followed by the faculty Student Committee in recommending management of students in academic difficulty.

A	=	4.0
A-	=	3.7
B+	=	3.3
B	=	3.0
B-	=	2.7
C+	=	2.3
C	=	2.0
C-	=	1.7
F	=	0.
DL	=	Delayed
EX	=	Excused
NR	=	Not Reported

Faculty have full discretion in using full-letter grades, plus/minus grades, or any combination of full-letter and plus/minus grades. The student's grade point average is computed by dividing the total quality points (number of credit hours for a course, multiplied by the grade value received) by the number of hours taken (excluding grade-modified hours).

The College of Optometry does not recognize a "D" grade for courses taken for degree credit; and for a student enrolled in a patient care course. Therefore, any grade lower than a "C-" will be recorded as an "F" and have "0" grade points.

The Satisfactory/Unsatisfactory (S/U) and Pass/Fail (P/F) grade options are not available to students taking core courses at the College of Optometry level. Only elective courses used to satisfy the three (3) credit hours approved elective course, may be taken as "S/U" or "P/F."

## Delayed Grade

Delayed grades indicate that a student has already completed a substantial portion of the *coursework with a passing grade* but a portion of the required course work remains incomplete, most likely due to illness or a family emergency. Students enrolled in the College of Optometry have two semesters to complete the necessary work or the grade automatically becomes "F." (Summer Session is not counted as a semester.) The arrangements for completing a delayed grade must be an agreement between the faculty member and the student. An instructor may require work to be completed earlier than the maximum time allowed by college policy.

## Grade Point Average (GPA)

All courses taken at UM-St. Louis figure into the calculation of the transcript GPA, including courses that may not be part of the professional program. However, only those courses required for the professional program figure into the calculation of the professional degree GPA. Students must maintain a cumulative professional degree GPA of 2.5 (on a 4.0 scale) in order to remain in good academic standing. All attempts of a given course will factor into the calculation of the GPA and remain on the transcript with the grade(s) earned.

## Time Limitations

All of the required courses during the first six (6) semesters of first course enrollment and all required courses for the O.D. degree must be completed within six (6) years after the first course enrollment.

## Clinical (Patient Care) Grading Criteria

A grade of "A" reflects performance that is consistently above expected levels. A grade of "B" reflects performance judged to meet expected levels for a student's clinical experience. A grade of "C" is considered below expected performance. Students receiving a "C" grade will have their continued clinical privileges reviewed by a committee of the faculty. The College of Optometry does not recognize a "D" grade for a student enrolled in a patient care course; and for courses taken for degree credit. Therefore, any grade lower than a "C-" will be recorded as an "F" and have "0" grade points. Students who receive an "F" grade will have their clinical privileges revoked. If a patient care course must be repeated, it must be taken when it is next offered. All attempts of a given patient care course will factor into the calculation of GPA and appear on the transcript with the grade(s) earned.

## Clinical Privileges

Full clinical privileges will be granted to those students in good academic standing after completing the first and second year professional curriculum and who have passed the appropriate clinical proficiency examinations. Thereafter, continuing clinical privileges will be assessed after each succeeding semester. Reinstatement of lost clinical privileges will be determined after evaluation by a committee of the faculty. The College of Optometry does not recognize a "D" grade for a student enrolled in a patient care course; and for courses taken for degree credit. Therefore, any grade lower than a "C-" will be recorded as an "F" and have "0" grade points. If a grade of "F" or a "DL" (delayed) grade is received in any third or fourth year course, clinical privileges will be revoked. Reinstatement of privileges will be determined after evaluation by a committee of the faculty.

## Academic Promotion and Management of Students in Academic Difficulty

Academic promotion and management of students in academic difficulty is the responsibility of the Dean, based on recommendations from the faculty Student Committee.

The faculty Student Committee will make recommendations on the management of students in academic difficulty based upon established guidelines. However, each management decision will be considered individually and prevailing circumstances may justify a recommendation that deviates from these guidelines.

### Guidelines

#### 1. Probation

Any student who receives a failing grade, or whose professional GPA (semester or cumulative) falls below a 2.5 will be placed on academic probation. The student will remain on probation for one academic semester. Any failing grades received during the probationary period would constitute grounds for dismissal from the professional program. The cumulative GPA must be above 2.5 by the end of the probationary semester in order for the student to maintain normal progress through the curriculum. Continued academic performance below 2.5 would be grounds for further disciplinary action up to and including dismissal from the professional program.

#### 2. Failed Course

If a student fails a course in any semester of the program, and is not dismissed from the program, the student will, unless there are special circumstances, restart the semester the following year and retake all courses in the semester where the failing grade occurred, except the courses in which the student earned a grade of B- or better.

### 3. Dismissal

A student is dismissed from the College of Optometry on the recommendation of the faculty Student Committee and concurrence of the Dean. Students subject to dismissal are invited to meet with the Student Committee before a recommendation is made to the Dean. Dismissal letters will be sent from the office of the Dean with a copy sent to the Office of Student Services. Grounds for dismissal from the College of Optometry include – but are not limited to – one or more failing grades, a failing grade while on academic probation, or a cumulative GPA below 2.50 at the end of a one semester probationary period. Academic dishonesty of any form may be considered grounds for dismissal. Issues of academic dishonesty are subject to the UM-Collected rules 200.010 and 200.020. (<http://www.umsystem.edu/ums/departments/gc/rules/programs/200/>).

## Grades/Graduation Requirement

All courses taken for credit in the professional program must be passed with a "C-" or better in order for a student to qualify for graduation. The College of Optometry does not recognize a "D" grade for courses taken for degree credit; and for a student enrolled in a patient care course. Therefore, any grade lower than a "C-" will be recorded as an "F" and have "0" grade points. Furthermore, in order to qualify for graduation, a student must be in good academic standing and the cumulative professional Grade Point Average (GPA) must be 2.50 or higher. Students must submit evidence to the Office of Student Services that they have taken the 3 part NBEO examinations prior to graduation. Such evidence shall include a copy of the score report received from NBEO.

To assure graduating at the end of a specific semester, all work for that semester and any delayed grades from previous semesters must be completed with the grades sent to the Office of Student Services no later than the official date for submission of final semester grades.

## Course Waivers

All optometry courses listed in the college's Bulletin must be taken for credit unless written authorization of a course waiver is received from the Chairperson of the Curriculum, Instruction, and Educational Policy Committee. Students requesting a course waiver must complete and submit a Course Waiver Request form to the Office of Student Services. The written request should include a detailed justification for the course waiver. Waiver requests must be received by the end of the first week of classes.

The committee will then collect and review all information pertinent to the waiver request and conveys this information to faculty members responsible for the course in question. Based upon the recommendation of the faculty members involved, the Curriculum, Instruction, and

Educational Policy Committee, together with these faculty members, will decide as to the appropriateness of the waiver request, and the committee chairperson will communicate that decision to the student who submitted the request.

Guidelines used in considering a waiver request are as follows:

1. The student must have completed a course of reasonably similar content.
2. The course used in substitution for the course the student is attempting to waive must have been passed with a letter grade of A or B from an accredited institution.
3. The substitute course must have been completed within the last three years.
4. Any student who is requesting a course waiver and has been found to qualify on the basis of the above three criteria will be required to pass a proficiency examination covering the subject matter.

## Curriculum Changes

Periodic curriculum changes within the College of Optometry may occur, in which case the Curriculum, Instruction and Educational Policy Committee recommends whether or not the academic program of currently enrolled Students requires alteration.

Prerequisite courses within the optometric curriculum may be altered and/or waived upon consent of the Curriculum, Instruction, and Educational Policy Committee.

## Elective Course Requirement

Beginning with the Class of 2013 and all future classes, the three credit hour elective course requirement is discontinued. Fourth year students must complete three elective Externship courses.

## Dean's List/Dean's List with Honor

### First-, Second-, and Third-Year Students

At the end of the fall and spring semesters, the College of Optometry will send a letter of commendation to students who were enrolled full-time with a grade point average (GPA) for the semester as follows:

- 3.500-3.799 Dean's List
- 3.800-4.000 Dean's List with Honor

### Fourth-Year Students

At the end of the spring semester, the College of Optometry will send a letter of commendation to students who were enrolled full-time with a cumulative grade point average (GPA) as follows:

- 3.500-3.799 Dean's List
- 3.800-4.000 Dean's List with Honor

## Graduation with Honors

The selection of students to be accorded this honor will be based on the cumulative grade-point average at the end of the fall semester of the student's fourth year as follows:

- 3.500-3.799 Dean's List
- 3.800-4.000 Dean's List with Honor

Grade changes processed after the closing date of the fall semester will not be considered.

## Leave of Absence

Students who are forced to interrupt their studies should request a leave of absence from the University. In consultation with the Director of Student Services, students should define the program modifications the leave of absence requires. Requests should indicate the reason for leaving and the expected date of return to the University.

## Withdrawal from the University

Withdrawal from the University is arranged through the Director of Student Services. Students leaving before completion of the semester or session without formally withdrawing are given grades of "F" in all courses.

## Transcripts

The University of Missouri-St. Louis will furnish transcripts of credits to a student upon written request. Transcripts are furnished to students' parents, guardians, or other parties or institutions only if students have filed written consent with the University.

Requests for transcripts by organizations either financially supporting a student or with fee compensation programs are not honored unless the student has filed a consent form with the University, authorizing the release of such information.

Transcripts are not issued to or for students who have financial obligations to the University until those obligations are paid in full.

Requests are made on-line at:

<http://www.umsf.edu/~registration/student/transcripts.htm>.

## Commencement Exercises

A student who satisfactorily completes all four years of the professional curriculum will be eligible to receive the Doctor of Optometry degree. Doctor of Optometry degrees are conferred at the University's Spring (May) Commencement Exercises.

## Retention

The attrition rate for students enrolled in the College of Optometry averaged 4% over the last five years. This figure represents total attrition, not only attrition resulting from academic difficulty. Most of those students who do not complete the professional program do so for various personal reasons rather than for academic difficulty. However, if a student does get into academic difficulty, a variety of institutional resources are available to that student, including tutorial assistance paid for by the institution or special assistance from the faculty, and a modified (five year) program of instruction can be designed for the student if necessary.

## Transfer Students

The Association of Schools and Colleges of Optometry (ASCO) discourages transfers from one optometry college to another. However, it can be done, but only under unusual circumstances.

In order for the University of Missouri-St. Louis College of Optometry to consider a transfer request, a student must meet the following criteria:

- be in good academic and disciplinary standing at the transferring institution;
- meet all current admission requirements;
- submit a letter from the chief executive officer of the transferring institution stating that the applicant is in good academic standing and eligible to continue;
- submit a formal application along with the required (\$50) application fee;
- provide a letter stating the specific circumstances surrounding the request for transfer;
- provide four (4) letters of recommendation;
- provide official transcripts of all collegiate work completed, including that taken at the transferring institution;
- provide official scores from the Optometry Admission Test.

Decisions on transfer applications are made by the Admissions Committee and the Student Committee. Factors considered include: available space, admission requirements, reason for transfer, appropriateness of courses completed to the academic level to which transfer is requested and personal attributes of the applicant.

## **Confidentiality Policy**

The College of Optometry abides by all guidelines and procedures to implement the University of Missouri policy on student records developed from The Family Educational Rights and Privacy Act of 1974.

Refer to the UM-St. Louis Confidentiality Policy published in the Appendix.

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## Residency Programs and Clinical Fellowships

Residency programs prepare graduates for careers in clinical practice and teaching in specialty areas. Each program begins in July, pays a monthly stipend, and awards a Certificate of Completion.

### **Hospital Based Optometric Residency Kansas City Veterans Affairs Medical Center**

**Description of Program:** This one year residency at the Eye/VICTORS Clinic Kansas City Veterans Affairs Medical Center provides a wealth of clinical experience in the diagnosis and treatment of patients with ocular disease. The low vision program provides the resident with advanced low vision experience. The resident will become proficient in such special procedures as anterior and posterior segment photography, ultrasonography, computerized visual fields, contrast sensitivity evaluation, and fluorescein angiography.

### **Hospital Based Optometric Residency Robert J. Dole Veterans Affairs Medical Center in Wichita, KS**

**Description of Program:** This one year residency program will provide extensive clinical experience in ocular disease and low vision. The resident will be involved in primary eye care, pre and post-surgical care, ocular disease and low vision evaluation and management. The resident will attend the Low Vision Rehabilitation team meetings to develop plans for patients' visual goals. The resident will participate in grand rounds, lectures and journal club. The resident will serve in a supervisory role to third and fourth year optometry interns.

### **Hospital Based Optometric Residency St. Louis Veterans Affairs Medical Center**

**Description of Program:** This one year residency provides advanced clinical training in primary care optometry with an emphasis on geriatric patients and diseases of the elderly. Extensive clinical experience is gained by providing care to the St. Louis VA Medical Center's patient population of adult and elderly patients. A strong point of the program is the one-on-one interaction with the program's experienced faculty. The residency is associated with the medical center's Geriatric Research Education and Clinical Center. The St. Louis and 24 other GRECC centers across the nation are recognized as leaders in advancing geriatric care.

### **Hospital Based Optometric Residency Marion Veterans Affairs Medical Center in Marion, IL**

**Description of Program:** This one year residency will provide extensive clinical experience in primary care with treatment and management of ocular disease as well as low vision rehabilitation. The resident will assist with direct patient care and the teaching of student interns. Other responsibilities include attending and/or lecturing at seminars.

### **Hospital Based Pediatric Optometry Residency Children's Mercy Hospital and Clinics in Kansas City, MO**

**Description of Program:** This one year residency provides advanced clinical education in the diagnosis and management of eye and vision problems encountered in pediatric eye care. These include, but are not limited to: amblyopia, strabismus, ocular pathology, refractive errors, developmental delays and premature birth. This program will strengthen the resident's expertise in refractive disorders of infants, examination skills with pediatric patients, and management of accommodative esotropia. The resident will also develop skills in presenting to other professionals and critical assessment skills for reviewing journal articles.

### **Residency in Pediatrics and Vision Therapy Rehabilitation**

**Description of Program:** This 54 week program provides advanced clinical experience in all aspects of pediatric optometry and binocular vision patient care. The resident will have the opportunity to interact with a significant number of College of Optometry regular and adjunct faculty members. The resident will have the opportunity for interaction and case co-management with other health care and education professionals. The program is flexible and can be adapted to meet the particular interests of the resident.

## **Residency Program in Cornea/Contact Lenses**

**Description of Program:** This 54 week program will provide extensive experience in the theory and clinical application of contact lenses. Participation in advanced contact lenses and corneal physiology instruction, research and rotation through private practice and refractive surgery clinics will be included in this program. Contact lens practice management will be emphasized with the assistance of experienced adjunct faculty. The resident will assist with direct patient care and the teaching of student interns. Advanced contact lens instruction, fitting challenging cases, co-management of refractive surgery patients, contact lens and clinical research, contact lens practice management instruction, and informative and clinically beneficial elective courses are included in this program.

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## Continuing Education

The College of Optometry offers continuing education programs for optometrists throughout the Midwest region as well as nationwide. Courses on nutrition, management of ocular diseases, ocular anomalies and visual skills are held on a frequent basis. In addition to our faculty, optometric specialists, medical educators, and researchers have input through participation in the course presentations.

All continuing education courses are COPE approved and offered by the College are accepted by those states requiring continuing education credit for re-licensure. Continuing education course information may be obtained by contacting:

University of Missouri-St. Louis  
College of Optometry  
Office of Continuing Education  
One University Boulevard  
St. Louis, MO 63121-4400  
(314) 516-5615

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## Licensure

Optometry is an independent doctoral-level health profession regulated by the state licensure. This means that optometrists must be licensed by the state in which they wish to practice. Each state establishes its own optometric licensing requirements, enforced by its respective State Board of Examiners. While the requirements for optometric licensure vary from state to state, all state licensing boards require applicants to have graduated from an accredited school or college of optometry. As such, graduates of the UM-St. Louis College of Optometry are qualified to apply for state licensure in any state in the United States and the District of Columbia.



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## Faculty and the Leadership Council

### Faculty (on-campus)

**Carl J. Bassi**

Director of Research; Associate Professor  
Ph.D., Vanderbilt University; Postdoctoral Fellow,  
University of Southern California, Doheny Eye Institute

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Assistant Dean for Student Services and Alumni  
Relations; Professor  
M.S.Ed., O.D., Indiana University, Bloomington

**Kathleen Boland**

Associate Clinical Professor  
O.D., University of Missouri—St. Louis

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Assistant Clinical Professor  
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Louis

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Associate Clinical Professor and Coordinator, Emergency  
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Contact Lenses, Chief of Contact Lens Service, Director of  
Residency Programs  
O.D., Northeastern State University; Residency, Cornea  
and Contact Lens, University of Missouri—St. Louis

**Larry J. Davis**

Dean, Associate Professor  
O.D., Indiana University; Residency, Contact Lenses,  
University of Missouri-St. Louis

**Keshia Sims Elder**

Associate Clinical Professor and Director of 4<sup>th</sup> Year  
Clinical Rotations  
O.D., University of Alabama at Birmingham, M.S. Vision  
Science University of Alabama Birmingham

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Carmen F. Castellano, O.D.  
Thomas J. Cullinane, O.D.  
Larry J. Davis, O.D., ex officio  
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## APPENDIX

The following policies may be found at the URL's in the text, and are updated periodically. The web site will have the most up-to-date information.

<http://www.umsystem.edu/ums/departments/gc/rules/>.

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### Confidentiality Policy

#### The Family Educational Rights & Privacy Act of 1974 (Reviewed August 13, 2013)

<http://www.umsystem.edu/~studentplanner/Policies%20and%20Procedures/confidentiality.html>

These statements are set forth as guidelines and procedures to implement the University of Missouri policy on student records developed from The Family Educational Rights & Privacy Act of 1974.

The University of Missouri-St. Louis as charged in the Act will annually inform its eligible students by including in the Student Planner and the University of Missouri-St. Louis Bulletin: Undergraduate, Graduate, and Professional Catalogue the following information:

1. "Educational Records" are those records, files, documents, and other materials which contain information directly related to a student and are maintained by the University. Those records, made available under The Family Educational Rights and Privacy Act of 1974, are student financial aid, the student's cumulative advisement file, student health records, disciplinary records, the admissions file, and the academic record. Confidential letters and statements of recommendation which were placed in student credential folders at the Office of Career Planning and Placement after January 1, 1975, are also

made available, if the student has not waived the right to view these recommendations.

The University of Missouri-St. Louis "Educational Records" do not include:

- a. records of instructional, supervisor, and administrative personnel and educational personnel ancillary thereto which are in the sole possession of the maker thereof and which are not accessible or revealed to any other person except a substitute;
- b. the records of the University of Missouri Police Department which were created for a law enforcement purpose and are maintained by the police department;
- c. in the case of persons who are employed by the University but who are not in attendance at the University, records made and maintained in the normal course of business which related exclusively to such persons and their capacity as employees where the records are not available for any other purpose;
- d. all records on any University student which are created and maintained by a physician, psychiatrist, psychologist, or other recognized professional or paraprofessional acting in a professional or paraprofessional capacity, or assisting in that capacity, and which are created, maintained, or used only in connection with the provision of treatment to the student, and are not available to anyone other than persons providing such treatment, provided, however, that such records can be personally reviewed by a physician or other appropriate professional of the student's choice.

2. The University of Missouri-St. Louis recognizes "Directory Information/ Public Information" to mean a student's name, address, telephone listing, e-mail, enrollment status, current level, major field of study, participation in officially recognized activities and sports, dates of attendance, degrees and awards received, and the most recent previous educational agency or institution attended by the student. All students must inform the Office of the Registrar before the end of the two week period following the first day of classes that any or all of the information designated as directory information should not be released without the student's prior consent. The student privacy form can be found online at <http://www.umsystem.edu/%7eregistration/assets/pdfs/forms/studprivacyform.pdf>. The information listed

- above will become directory information or public information as of the first day of classes following the end of the two week period in a regular semester and the first day of classes following the end of the one week period during the summer session.
3. University of Missouri-St. Louis students have access to the educational records identified in Paragraph 1 above. In accordance with Pub. Law 93-380 as amended, the University of Missouri-St. Louis will not make available to students the following materials:
    - a. financial records of the parents of students or any information contained therein;
    - b. confidential letters and statements of recommendation which were placed in the educational records prior to January 1, 1975, if such letters or statements are not used for the purpose other than those for which they were specifically intended;
    - c. confidential recommendations respecting admission to the University, application for employment and receipt of honor, or honorary recognition, where the student has signed a waiver of the student's rights of access as provided in 6.0404, the University Policy on Student Records.
  4. The Director of Financial Aid, the appropriate academic dean, the Coordinator of the University Health Services, the Vice Chancellor for Student Affairs, the Director of Career Services, the Director of Admissions, and Registrar are the officials responsible for the maintenance of each type of record listed in paragraph 1.
  5. Students may, upon request, review their records and, if inaccurate information is included, may request the expunging of such information from their files. Such inaccurate information will then be expunged upon authorization of the official responsible for the file.
  6. Students desiring to challenge the content of their records may request an opportunity for a hearing to challenge the content of their educational records in order to ensure that the records are not inaccurate, misleading or otherwise in violation of the privacy or other rights of the student, to provide an opportunity for the correction or deletion of any such inaccurate, misleading, or otherwise inappropriate data contained therein, and to insert into such records a written explanation respecting the content of such records.
  7. The University official charged with custody of the records will attempt to settle informally any disputes with any student regarding the content of the University's educational records through informal meetings and discussions with the student.
  8. Upon request of the student or the University official charged with custody of the records of the student, a formal hearing shall be conducted as follows:
    - a. the request for a hearing shall be submitted in writing to the campus chancellor who will appoint a hearing officer or a hearing committee to conduct the hearing;
    - b. the hearing shall be conducted and decided within a reasonable period of time following the request for a hearing. The parties will be entitled to written notice 10 days prior to the time and place of the hearing;
    - c. the hearing shall be conducted and the decision rendered by an appointed hearing official or officials who shall not have a direct interest in the outcome of the hearing;
    - d. the student shall be afforded a full and fair opportunity to present evidence relevant to the hearing;
    - e. the decision shall be rendered in writing within a reasonable period of time after the conclusion of the hearing; and
    - f. either party may appeal the decision of the hearing official or officials to the campus chancellor. Appeal from the chancellor's decision is to the president. Appeal from the president is to the Board of Curators.
  9. The University of Missouri-St. Louis will provide grade reports by way of a password-protected website and upon request by the student can mail them only to a student's permanent mailing address. Grade reports are only sent to a student's permanent mailing address. Grades will not be mailed to parents unless the student in question has completed the necessary authorization in the registrar's office.
  10. The University of Missouri-St. Louis may permit access to or release educational records, without the written consent of the student, to the parents of a dependent student as defined in Section 152 of the Internal Revenue Code of 1954.
  11. If any material or document in the educational record of a student includes information on more than one student, the student may inspect and review only such part of such material or

document as relates to the individual student seeking the review or be informed of the specific information contained in such part of such material.

## Code of Student Conduct (200.010)

### 200.010 - Standard of Conduct (Amended Bd. Min. 3-20-81; Bd. Min. 8-3-90, Bd. Min 5-19-94; Bd. Min. 5-24-01, Bd. Min. 7-27-12.) (Reviewed August 13, 2013)

A student enrolling in the University assumes an obligation to behave in a manner compatible with the University's function as an educational institution and voluntarily enters into a community of high achieving scholars.

Consequently, students assume new privileges along with new responsibilities in accordance with the University's mission and expectations.

These expectations have been established in order to protect a specialized environment conducive to learning which fosters integrity, academic success, personal and professional growth, and responsible citizenship.

- A. **Jurisdiction of the University of Missouri** generally shall be limited to conduct which occurs on the University of Missouri premises or at University-sponsored or University-supervised functions. However, nothing restrains the administration of the University of Missouri from taking appropriate action, including, but not limited to, the imposition of sanctions under Section 200.020(C), against students for conduct on or off University premises in order to protect the physical safety of students, faculty, staff, and visitors.
- B. **Conduct** for which students are subject to sanctions falls into the following categories:
  1. **Academic dishonesty**, such as cheating, plagiarism, or sabotage. The Board of Curators recognizes that academic honesty is essential for the intellectual life of the University. Faculty members have a special obligation to expect high standards of academic honesty in all student work. Students have a special obligation to adhere to such standards. In all cases of academic dishonesty, the instructor shall make an academic judgment about the student's grade on that work and in that course. The instructor shall report the alleged academic dishonesty to the Primary Administrative Officer.
    - a. The term **cheating** includes but is not limited to: (i) use of any unauthorized assistance in taking quizzes, tests, or examinations; (ii) dependence upon the aid of sources beyond those authorized by the instructor in writing papers,

preparing reports, solving problems, or carrying out other assignments; (iii) acquisition or possession without permission of tests or other academic material belonging to a member of the University faculty or staff; or (iv) knowingly providing any unauthorized assistance to another student on quizzes, tests, or examinations.

- b. The term **plagiarism** includes, but is not limited to: (i) use by paraphrase or direct quotation of the published or unpublished work of another person without fully and properly crediting the author with footnotes, citations or bibliographical reference; (ii) unacknowledged use of materials prepared by another person or agency engaged in the selling of term papers or other academic materials; or (iii) unacknowledged use of original work/material that has been produced through collaboration with others without release in writing from collaborators.
  - c. The term **sabotage** includes, but is not limited to, the unauthorized interference with, modification of, or destruction of the work or intellectual property of another member of the University community.
2. **Forgery, alteration, or misuse** of University documents, records or identification, or knowingly furnishing false information to the University.
  3. **Obstruction or disruption** of teaching, research, administration, conduct proceedings, or other University activities, including its public service functions on or off campus.
  4. **Physical abuse, threats of violence**, or other conduct which threatens or endangers the health or safety of any person.
  5. **Nonconsensual sexual behavior** including but not limited to rape; sexual assault; nonconsensual sexual touching of the genitals, breast or anus of another person or the touching of another with one's own genitals whether directly or through the clothing; or exposing one's genitals to another under circumstances in which he or she should reasonably know that his or her conduct is likely to



- cause affront or alarm, or sexual harassment.
6. **Stalking** another by following or engaging in a course of conduct with no legitimate purpose that puts another person reasonably in fear for his or her safety or would cause a reasonable person under the circumstances to be frightened, intimidated or emotionally distressed.
  7. **Harassment** by engaging in a course of conduct directed at a specific person that serves no legitimate purpose that would cause a reasonable person under the circumstances to be frightened, intimidated, or emotionally distressed.
  8. **Invasion of privacy** by photographing or recording (using electronic or other means) another person in a state of full or partial nudity in a place where one would have a reasonable expectation of privacy without that person's consent, and distributing or transmitting that image without that person's consent.
  9. **Participating in attempted or actual theft** of, damage to, or possession without permission of property of the University or of a member of the University community or of a campus visitor.
  10. **Unauthorized possession**, duplication or use of keys to any University facilities or unauthorized entry to or use of University facilities.
  11. **Violation of University policies**, rules or regulations or of campus regulations including, but not limited to, those governing residence in University-provided housing, or the use of University facilities, or the time, place and manner of public expression.
  12. **Manufacture, use, possession, sale or distribution of alcoholic beverages** or any controlled substance without proper prescription or required license or as expressly permitted by law or University regulations, including operating a vehicle on University property, or on streets or roadways adjacent to and abutting a campus, under the influence of alcohol or a controlled substance as prohibited by law of the state of Missouri.
  13. **Disruptive or disorderly conduct** or lewd, indecent, or obscene conduct or expression.
  14. **Failure to comply** with directions of University officials acting in the performance of their duties.
  15. **The illegal or unauthorized possession or use of firearms,** explosives, other weapons, or hazardous chemicals.
  16. **Misuse in accordance with University policy of computing resources**, including but not limited to:
    - a. Actual or attempted theft or other abuse.
    - b. Unauthorized entry into a file to use, read, or change the contents, or for any other purpose.
    - c. Unauthorized transfer of a file.
    - d. Unauthorized use of another individual's identification and password.
    - e. Use of computing facilities to interfere with the work of another student, faculty member, or University official.
    - f. Use of computing facilities to interfere with normal operation of the University computing system.
    - g. Knowingly causing a computer virus to become installed in a computer system or file.

### Maintaining a Positive Work and Learning Environment (330.080)

Executive Guideline No. 3, 7-18-97; Executive Order No. 3 replaced by policy stated in Bd. Min. 1-29-99. (Reviewed August 13, 2013)

1. The University of Missouri is committed to providing a positive work and learning environment where all individuals are treated fairly and with respect, regardless of their status. Intimidation and harassment have no place in a university community. To honor the dignity and inherent worth of every individual -- student, employee, or applicant for employment or admission -- is a goal to which every member of the university community should aspire and to which officials of the university should direct attention and resources.
2. With respect to students, it is the university's special responsibility to provide a positive climate in which students can learn. Chancellors are expected to provide educational programs and otherwise direct resources to creative and serious measures designed to improve interpersonal relationships, to help develop healthy attitudes toward different kinds of people, and to foster a climate in which students are treated as individuals rather than as members of a particular category of people.
3. With respect to employees, the strength we have as a university is directly related to maintaining a positive work environment throughout the

institution. The university should provide a positive recruiting and work environment focused on the duties and skills of the work to be performed. It is the expectation of the university that all employees and potential employees will be treated on the basis of their contribution or potential contribution without regard to personal characteristics not related to competence, demonstrated ability, performance, or the advancement of the legitimate interests of the university. The General Officers are expected to provide training programs for supervisors to assist in achieving this objective.

4. With respect to violations of the policy, faculty, staff and students may utilize their respective grievance procedures approved by the Board of Curators. The approved grievance procedures are as follows: Grievance procedure in Section 360.010 for faculty; grievance procedure in Section 380.010 for staff; and grievance procedure in Section 390.010 for students, and each such procedure shall be deemed as amended to include grievances filed under this policy. This policy shall not be interpreted in such a manner as to violate the legal rights of religious organizations, or military organizations associated with the Armed Forces of the United States of America.

## Student Disciplinary Matters (200.020)

Bd. Min. 11-8-68, Amended Bd. Min. 3-20-81; Bd. Min. 12-8-89, Amended 5-19-94; Bd. Min. 5-24-01; Bd. Min. 7-27-12. (<http://www.umsi.edu/bulletin/student-conduct.html>) (Reviewed August 13, 2013)

- A. **Preamble.** The following rules of procedure in student conduct matters are hereby adopted in order to insure insofar as possible and practicable (a) that the requirements of procedural due process in student conduct proceedings will be fulfilled by the University, (b) that the immediate effectiveness of Section 10.030, which is Article V of the Bylaws of the Board of Curators relating to student conduct and sanctions may be secured for all students in the University of Missouri, and (c) that procedures shall be definite and determinable within the University of Missouri.
- B. **Definitions.** As used in these rules, the following definitions shall apply:
  1. **Primary Administrative Officers.** As used in these procedures, the Chief Student Affairs Administrator on each campus is the Primary Administrative Officer except in cases of academic dishonesty, where the Chief Academic

Administrator is the Primary Administrative Officer. Each Primary Administrative Officer may appoint designee(s) who are responsible for the administration of these conduct procedures, provided all such appointments must be in writing, filed with the Chancellor of the campus, and the office of General Counsel. The Primary Administrator's Office will certify in writing that the given designee has been trained in the administration of student conduct matters.

2. **Student Panel.** A panel of students appointed by the Chancellor, from which shall be selected by the Chair, upon the request of a student charged before the Student Conduct Committee, not more than three students to serve with the Student Conduct Committee.
3. **Student.** A person having once been admitted to the University who has not completed a course of study and who intends to or does continue a course of study in or through one of the campuses of the University. For the purpose of these rules, student status continues whether or not the University's academic programs are in session.
4. **Student Conduct Committee.** As used in these procedures, "Student Conduct Committee," hereinafter referred to as the Committee, is that body on each campus which is authorized to conduct hearings and to make dispositions under these procedures or a Hearing Panel of such body as herein defined.

### C. Sanctions.

1. The following sanctions may be imposed upon any student found to have violated the Student Conduct Code; more than one of the sanctions may be imposed for any single violation:
  - a. **Warning.** A notice in writing to the student that the student is violating or has violated institutional regulations.

- b. Probation. A written reprimand for violation of specified regulations. Probation is for a designated period of time and includes the probability of more severe sanctions if the student is found to be violating any institutional regulation(s) during the probationary period.
    - definite period of time, after which the student is eligible to return. Conditions for readmission may be specified.
  - c. Loss of Privileges. Denial of specified privileges for a designated period of time.
  - d. Restitution. Compensation for loss, damage, or injury to the University or University property. This may take the form of appropriate service and/or monetary or material replacement.
  - e. Discretionary Sanctions. Work assignments, service to the University, or other related discretionary assignments.
  - f. Residence Hall Suspension. Separation of the student from the residence halls for a definite period of time, after which the student is eligible to return. Conditions for readmission may be specified.
  - g. Residence Hall Expulsion. Permanent separation of the student from the residence halls.
  - h. University Dismissal. An involuntary separation of the student from the institution for misconduct apart from academic requirements. It does not imply or state a minimum separation time.
  - i. University Suspension. Separation of the student from the University for a
    - definite period of time, after which the student is eligible to return. Conditions for readmission may be specified.
  - j. University Expulsion. Permanent separation of the student from the University.
2. **Temporary Suspension.** The Chancellor or Designee may at any time temporarily suspend or deny readmission to a student from the University pending formal procedures when the Chancellor or Designee finds and believes from available information that the presence of a student on campus would seriously disrupt the University or constitute a danger to the health, safety, or welfare of members of the University community. The appropriate procedure to determine the future status of the student will be initiated within seven calendar days.
- D. **Records Retention.** Student conduct records shall be maintained for five years after University action is completed.
- E. **Policy and Procedures.**
- 1. **Preliminary Procedures.** The Primary Administrative Officer/Designee(s) shall investigate any reported student misconduct before initiating formal conduct procedures and give the student the opportunity to present a personal version of the incident or occurrence. The Primary Administrative Officer/Designee(s) may discuss with any student such alleged misconduct and the student shall attend such consultation as requested by the Primary Administrative Officer/Designee(s). The Primary Administrative Officer/Designee(s), in making an investigation and disposition, may utilize student courts and boards and/or divisional deans to make recommendations.
  - 2. **Informal Dispositions.** The Primary Administrative Officer/Designee(s) shall have the

authority to make a determination and to impose appropriate sanctions and shall fix a reasonable time within which the student shall accept or reject a proposed informal disposition. A failure of the student either to accept or reject within the time fixed may be deemed by the University to be an acceptance of the determination, provided the student has received written notice of the proposed determination and the result of the student's failure to formally reject and, in such event, the proposed disposition shall become final upon expiration of such time. If the student rejects informal disposition it must be in writing and shall be forwarded to the Committee. The Primary Administrative Officer/Designee(s) may refer cases to the Committee without first offering informal disposition.

**3. Formal Procedure and Disposition.**

**a. Student Conduct Committee:**

(1) The Committee shall be appointed by the Chancellor and shall have the authority to impose appropriate sanctions upon any student or students appearing before it.

(2) The Committee, when appropriate or convenient, may be divided by the Chair of the Committee into Hearing Panels, each panel to be composed of at least five Committee members, which may include a maximum of two students, present at the hearing, including a designated chair. A Hearing Panel has the authority of the whole Committee in those cases assigned to it. The Chair of the Committee or of a Hearing Panel shall count as one member of the Committee or Hearing Panel and have the same rights as other members.

(3) Each Chancellor shall

appoint a panel of students, to be known as the Student Panel. Upon written request of a student charged before the Committee, made at least seventy-two (72) hours prior to the hearing, the Chair of the Committee or Hearing Panel shall appoint from the Student Panel not more than three students to sit with the Committee or two students to sit with the Hearing Panel (as stated in 3.a.(2)) for that particular case. When students from the Student Panel serve at the request of a student charged, they shall have the same rights as other members of the Committee or Hearing Panel.

**b. General Statement of Procedures.**

A student charged with a breach of the Student Conduct Code is entitled to a written notice and a formal hearing unless the matter is disposed of under the rules for informal disposition. Student conduct proceedings are not to be construed as judicial trials and need not wait for legal action before proceeding; but care shall be taken to comply as fully as possible with the spirit and intent of the procedural safeguards set forth herein. The Office of the General Counsel shall be legal adviser to the Committee and the Primary Administrative Officer/Designee(s).

**c. Notice.** The Primary Administrative Officer/Designee(s) shall initiate student conduct proceedings by arranging with the Chair to call a meeting of the Committee

and by giving written notice by certified mail or personal delivery to the student charged with misconduct. The notice shall set forth the date, time, and place of the alleged violation and the date, time, and place of the hearing before the Committee. Notice by certified mail may be addressed to the last address currently on record with the University. Failure by the student to have a current correct local address on record with the University shall not be construed to invalidate such notice. The notice shall be given at least seven (7) consecutive days prior to the hearing, unless a shorter time be fixed by the Chair for good cause. Any request for continuance shall be made in writing to the Chair, who shall have the authority to continue the hearing if the request is timely and made for good cause. The Chair shall notify the Primary Administrative Officer/Designee(s) and the student of the new date for the hearing. If the student fails to appear at the scheduled time, the Committee may hear and determine the matter.

4. **Right to Petition for Review:** (other than University expulsion, University dismissal, or University suspension).

- a. In all cases where the sanction imposed by the Committee is other than University expulsion, University dismissal, or University suspension, the Primary Administrative Officer/Designee(s), the charged student or the alleged victim, (referred to hereafter as the "complainant") in the

case of nonconsensual sexual behavior may petition the Chancellor or Designee in writing for a review of the decision within five (5) calendar days after written notification. A copy of the Petition for Review must also be served upon the nonappealing party or parties within such time. The Petition for Review must state the grounds or reasons for review in detail, and the nonappealing party or parties may answer the petition within five (5) calendar days.

- b. The Chancellor or Designee may grant or refuse the right of review. In all cases where the Petition for Review is refused, the action of the Committee shall be final. If the Chancellor or Designee reviews the decision, the action of the Chancellor shall be final unless it is to remand the matter for further proceedings.

5. **Right of Appeal** (University expulsion, University dismissal, or University suspension only).

- a. When a charged student is expelled, dismissed, or suspended from the University by the Committee, the Primary Administrative Officer/Designee(s), the charged student or the complainant in the case of nonconsensual sexual behavior may appeal such decision to the Chancellor or Designee by filing written notice of appeal stating the grounds or reasons for appeal in detail with the Chancellor within ten (10) calendar days after notification of the decision of the Committee. A copy of the Notice of Appeal will

contemporaneously be given by the charged student to the Primary Administrative Officer/Designee(s) and complainant or by the Primary Administrative Officer/Designee(s) to the charged student and complainant, or by the complainant to the charged student and Primary Administrative Officer/Designee(s). The appealing party may file a written memorandum for consideration by the Chancellor with the Notice of Appeal, and the Chancellor may request a reply to such memorandum by the appropriate party.

- b. The Chancellor or Designee shall review the record of the case and the appeal documents and may affirm, reverse, or remand the case for further proceedings and shall notify each party in writing of the decision on the appeal. The action of the Chancellor shall be final unless it is to remand the matter for further proceedings.

6. **Status During Appeal.** In cases of suspension, dismissal, or expulsion where a Notice of Appeal is filed within the required time, a student may petition the Chancellor in writing for permission to attend classes pending final determination of appeal. The Chancellor may permit a student to continue in school under such conditions as may be designated pending completion of appellate procedures, provided such continuance will not seriously disrupt the University or constitute a danger to the health, safety, or welfare of members of the University community. In such event, however, any final sanctions imposed shall be effective from the date of the action of the Committee.

7. **Student Honor System.** Forums under the student honor systems established for investigating facts, holding hearings, and recommending and imposing sanctions are authorized when the student honor code or other regulations containing well defined jurisdictional statements and satisfying the requirements of Section 10.030, which is Article V of the Bylaws of the Board of Curators, have been reduced to writing and have been approved by the Chancellor and the Board of Curators and notice thereof in writing has been furnished to students subject thereto. Though the student honor system has jurisdiction, together with procedures set forth therein, instead of the Primary Administrative Officer/Designee(s), the standard of conduct called for in any such student honor system shall be deemed to contain at a minimum the same standards set forth in Section 200.010, entitled Standards of Conduct. Procedures shall satisfy the requirements of the Board of Curators' Bylaws, Section 10.030, which is Article V, and shall contain procedures herein before stated insofar as appropriate and adaptable to the particular situation and shall be approved by the Chancellor and the General Counsel. Students subject to student honor systems shall have the rights of appeal as set forth in Section 200.020 E.6 and 7.

F. **Hearing Procedures.**

1. **Conduct of Hearing.** The Chair shall preside at the hearing, call the hearing to order, call the roll of the Committee in attendance, ascertain the presence or absence of the student charged with misconduct, read the notice of hearing and charges and verify the receipt of notices of charges by the student, report any continuances requested or granted, establish the presence of any adviser or counselor of the student, and call to the attention of the student charged and the adviser any special or extraordinary procedures to be employed during the hearing and

permit the student to make suggestions regarding or objections to any procedures for the Conduct Committee to consider.

In cases where the misconduct charged is nonconsensual sexual behavior, the complainant will be afforded the same rights in the hearing as the accused student as described below. In such cases, questions between the accused student and the complainant will be made through the Chair.

a. **Opening Statements.**

(1) The Primary Administrative Officer/Designee(s) shall make opening remarks outlining the general nature of the case and testify to any facts the investigation has revealed.

(2) The student charged may make a statement to the Committee about the charge at this time or at the conclusion of the University's presentation. In cases of nonconsensual sexual behavior the complainant may likewise make a statement to the Committee at either time.

b. **University Evidence.**

(1) University witnesses are to be called and identified or written reports of evidence introduced as appropriate.

(2) The Committee may question witnesses at any time.

(3) The student charged or, with permission of the Committee, the adviser or counselor may question witnesses or examine evidence at the conclusion of the University's presentation. In cases of nonconsensual sexual behavior the complainant may also question witnesses or examine evidence at the

conclusion of the University's presentation and the student charged's questions. In such cases, questions between the charged student and the complainant will be made through the Chair.

c. **Charged Student Evidence.**

(1) If the student charged has not elected to make a statement earlier under a.(2) above, the student shall have the opportunity to make a statement to the Committee about the charge.

(2) The student may present evidence through witnesses or in the form of written memoranda.

(3) The Committee may question the student or witnesses at any time. The Primary Administrative Officer/Designee(s) may question the student or witnesses. In cases of nonconsensual sexual behavior the complainant may question witnesses. In such cases, questions between the complainant and the charged student will be made through the Chair.

d. **Complainant's Evidence**

(in cases of nonconsensual sexual behavior)

(1) If the complainant has not elected to make a statement earlier under a.(2) above, the complainant shall have the opportunity to make a statement to the Committee about the charge.

(2) The complainant may present evidence through witnesses or in the form of written memoranda.

(3) The Committee may question the complainant or witnesses at any time. The charged student may

question witnesses.  
Questions between the charged student and the complainant will be made through the Chair.

- e. **Rebuttal Evidence.** The Committee may permit the University or the charged student, or in cases of nonconsensual sexual behavior, the complainant to offer a rebuttal of the other's presentation(s).
- f. **Rights of Student Conduct Committee.** The Committee shall have the right to:
  - (1) Hear together cases involving more than one student which arise out of the same transaction or occurrence, but in that event shall make separate findings and determinations for each student;
  - (2) Permit a stipulation of facts by the Primary Administrative Officer/Designee(s) and the student involved;
  - (3) Permit the incorporation in the record by reference of any documentation, produced and desired in the record by the University or the student charged;
  - (4) Question witnesses or challenge other evidence introduced by either the University or the student at any time;
  - (5) Hear from the Primary Administrative Officer/Designee(s) about dispositions made in similar cases and any dispositions offered to the student appearing before the Committee;
  - (6) Call additional witnesses or require additional investigation;
  - (7) Dismiss any action at any time or permit informal disposition as otherwise provided;

(8) Permit or require at any time amendment of the Notice of Hearing to include new or additional matters which may come to the attention of the Committee before final determination of the case; provided, however, that in such event the Committee shall grant to the student or Primary Administrative Officer/Designee(s) such time as the Committee may determine reasonable under the circumstances to answer or explain such additional matters;

(9) Dismiss any person from the hearing who interferes with or obstructs the hearing or fails to abide by the rulings of the Chair of the Committee;

(10) Suspend summarily students from the University who, during the hearing, obstruct or interfere with the course of the hearing or fail to abide by the ruling of the Chair of the Committee on any procedural question or request of the Chair for order.

- 2. **Rights of Students Charged Upon Hearing and of Complainants in the Case of Nonconsensual Sexual Behavior.** A student appearing before a Committee shall have the right to:
  - a. Be present at the hearing;
  - b. Have an adviser or counselor and to consult with such adviser or counselor during the hearing;
  - c. Hear or examine evidence presented to the Committee;
  - d. Question witnesses present and testifying;



- e. Present evidence by witnesses or affidavit;
  - f. Make any statement to the Committee in mitigation or explanation of the conduct in question;
  - g. Be informed in writing of the findings of the Committee and any sanctions it imposes; and
  - h. Request review or appeal to the Chancellor as herein provided.
3. **Determination by the Student Conduct Committee.** The Committee shall then make its findings and determinations based on the preponderance of the evidence in executive session out of the presence of the Primary Administrative Officer/Designee(s) and the student charged. Separate findings are to be made:
- a. As to the conduct of the student, and
  - b. On the sanctions, if any, to be imposed. No sanctions shall be imposed on the student unless a majority of the Committee present is convinced by the preponderance of the evidence that the student has committed the violation charged.
4. **Official Report of Findings and Determinations.** The Committee shall promptly consider the case on the merits and make its findings and determination and transmit them to the Primary Administrative Officer/Designee(s) and the student charged forthwith.
5. **Other Procedural Questions.** Procedural questions which arise during the hearing not covered by these general rules shall be determined by the Chair, whose ruling shall be final unless the Chair shall present the question to the Committee at the request of a member of the Committee, in which event the ruling of the
- Committee by majority vote shall be final.
6. **General Rules of Decorum.** The following general rules of decorum shall be adhered to:
- a. All requests to address the Committee shall be addressed to the Chair.
  - b. The Chair will rule on all requests and points of order and may consult with Committee's legal adviser prior to any ruling. The Chair's ruling shall be final and all participants shall abide thereby, unless the Chair shall present the question to the Committee at the request of a member of the Committee, in which event the ruling of the Committee by majority vote shall be final.
  - c. Rules of common courtesy and decency shall be observed at all times.
  - d. An adviser or counselor may be permitted to address the Committee at the discretion of the Committee. An adviser or counselor may request clarification of a procedural matter or object on the basis of procedure at any time by addressing the Chair after recognition.
7. **Record of Hearing.** An audio, video, digital, or stenographic record of the hearing shall be maintained. The notice, exhibits, hearing record, and the findings and determination of the Committee shall become the "Record of the Case" and shall be filed in the Office of the Primary Administrative Officer/Designee(s) and for the purpose of review or appeal be accessible at reasonable times and places to both the University and the student(s) entitled to review or appeal.

8. **Crimes of Violence and Non-Forcible Sex Offences.** In cases of alleged crimes of violence and non-forcible sex offences:
  - a. The alleged victim is entitled to have an adviser or counselor present during his or her participation in the hearing.
  - b. The alleged victim and the accused shall be informed of the outcome of any campus disciplinary proceeding brought alleging a crime of violence or non-forcible sexual assault.

## Financial Aid Appeals

(<http://www.umsl.edu/~studentplanner/Student%20Services/finaid.html>) (Reviewed August 13, 2013)

Financial Aid has an established financial aid appeals procedure. An aid applicant can raise questions or appeal the offer, or lack of an offer, of financial aid if not satisfied. The general provisions for appeals procedures are as follows:

1. An aid applicant who is not satisfied with the fact that no aid was offered, or was not pleased with the type and/or amount of aid that was offered, may make a written appeal to the Student Financial Aid Director for reconsideration of the aid request.
2. If the Financial Aid Director cannot provide a satisfactory solution, the student may refer the written appeal with all pertinent information to the Faculty-Student Committee on Student Aid. In ordinary practice, it is rare for a case to be appealed beyond this step.

## Grade Appeal Process

Academic Affairs: January 20, 1999; Revised, September 2006, February 2007, and April 2010

(<http://www.umsl.edu/services/academic/policy/grade-appeal.html>) (Reviewed August 13, 2013)

### University of Missouri-St. Louis Grade Appeal Procedures

On each campus of the University of Missouri it is the Chancellor who is ultimately responsible to the President and the Board of Curators for all campus programs, policies and activities. On the University of Missouri-St. Louis campus, the Chancellor has delegated responsibility for overseeing the grade appeal process to the Provost. The Provost is therefore responsible for assuring that grade appeals are handled in a fair and timely manner. More specifically, that officer is responsible for seeing that the procedures outlined below are appropriately followed.

### Application of this Policy

Students are responsible for meeting the standards established for each course they take.

Faculty members are responsible for establishing the criteria for grades and evaluating students' academic performance.

The grade appeal procedure is to allow only the review of allegedly **capricious grading**. It is not intended as a review of the instructor's evaluation of the student's academic performance. The burden of proof shall be on the student. Disagreement or dissatisfaction with a faculty member's professional evaluation of coursework is not the basis for a grade appeal.

**Capricious Grading** is defined as any of the following:

- a) The student's grade was assigned on the basis of other factors rather than the performance on the assignment or in the course;
- b) The student's work was graded with more demanding standards than were applied to equivalent students in the course; (Note: Different grading criteria are expected of graduate students enrolled in 4000-level courses.)
- c) The instructor assigned a grade using standards that were substantially different from those previously announced or stated in the syllabus.

### Informal Procedures

At any time after the awarding of a grade, for a course or an assignment in a course, a student may discuss the grade with her or his instructor and request that the instructor review the grade.\* If the instructor does review the grade he or she is, of course, free to change the grade or not as is appropriate.<sup>1</sup>

### Formal Procedures

The following procedures apply if the above informal procedure does not resolve a dispute concerning a grade to the student's satisfaction and if the process is initiated within thirty working days of the start of the first regular semester (fall or spring) following the semester for which the grade was given, or thirty days after the assignment of the grade (whichever is later)<sup>2</sup>

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<sup>1</sup> If the instructor is deceased, cannot be located, or is otherwise unable or unwilling to reconsider the grade, the student should consult directly with the chairperson of the department, division, area, school, or discipline housing the course in question.

<sup>2</sup> \*Under current campus policy, transcript notation of "DL" automatically becomes an "F" after one regular semester. This change, which the Registrar is mandated to make, is not considered a grade change and is consistent with this grade appeal policy. Students may appeal this change

1. If the student has not already done so, he or she discusses the contested grade fully with the instructor. The student should prepare for this meeting by taking all relevant written work (tests, reports, etc.) with him/her. If the issue is not resolved, and the student wishes to pursue the appeal, a written appeal should be submitted to the chairperson or director of the department\*, division\*\*, area\*\*\*, school, or discipline housing the course in question. (For grade appeals in the Honors College, College of Nursing, College of Optometry, and the UMSL/Washington University Joint Engineering Program, written appeal should be submitted to the appropriate dean.)

\*College of Arts & Sciences, College of Fine Arts & Communication

\*\*College of Education

\*\*\*College of Business Administration

Appeals must be presented in writing and contain the following information:

- (a) A clear concise statement which includes the name of the instructor, the course and semester taken, and a statement describing the specific supporting evidence of capricious grading;
- (b) A brief summary of the prior attempts to resolve the matter and the results of those previous discussions;
- (c) A specific statement of the remedial action or relief sought.

The chairperson or director will discuss the appeal with the course instructor within 10 days of receipt of the written appeal, and will inform the student of the result of this discussion. The result of the meeting may be the instructor's agreement to change the grade or her or his refusal to change the grade.

- 2. If the matter remains unresolved, the student may, within 10 working days of being notified of the result of the discussion between the chairperson or director and the instructor, request that the case be forwarded to the dean of the college for a review of the matter.
- 3. The dean (or designee) will refer the case to a committee composed of at least three faculty members. This committee is charged with determining whether the grade in question was awarded capriciously. The committee will investigate the matter, meeting if it deems necessary with the student, the instructor, and possibly others. Following its inquiries and deliberations but prior to making its final recommendations, the faculty committee will submit a copy of its findings to the course instructor. If the course instructor elects to comment on the findings to the committee, this

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provided the appeal is initiated within 30 working days of the notification of the grade change.

must be done within seven working days. After further consideration, but within 30 working days after receiving the student's statement, the faculty committee will submit its findings in writing with its recommendations and reasons for those recommendations directly to the course instructor, with a copy to the chairperson or director, and the dean.

- 4. If the faculty committee recommends that the grade be changed, the dean will ask the instructor to implement the recommendation. If the instructor declines, the dean will change the grade, notifying the instructor, the chairperson or director, and the student of this action. Only the dean, upon written recommendation of the faculty committee, will make a change in grade over the objection of the instructor who assigned the original grade.
- 5. If the student is dissatisfied with the result of the college level review, s/he may appeal to the Provost within 10 working days of receipt of the committee's recommendation. The Provost will review the appeal process and rule on whether the procedures were followed appropriately. If the Provost concludes that there were procedural errors that denied the student due process, the case will be referred back to the dean to reconvene a new committee of faculty to review the case.
- 6. The Provost may NOT change a grade given by any instructor.

## Student Organization Policy

### Policy on Student Organizations

(<http://www.umsl.edu/studentlife/osl/files/pdfs/2012-13%20Student%20Org%20Handbook.pdf>) (Reviewed August 13, 2013)

The University recognizes that the acquisition of knowledge is not confined to the formality of the classroom and that much can be gained through the activities of student organizations. To assure maximum freedom for students and to assure that organizational activities are orderly, responsible, and appropriate to the mission of the university, certain principles and procedures are established through which organizations gain university recognition. Please refer to the current "U Book" for guidelines on student organizations.

### Policy on Hazing

(<http://www.umsl.edu/bulletin/student-conduct.html>) (Reviewed August 13, 2013)

Hazing, defined by the Fraternity Executive Association and accepted by the University of Missouri-St. Louis, is

any intentional action taken or situation created, whether on or off university premises, that produces mental or physical discomfort, embarrassment, harassment, or ridicule. This includes but is not limited to: paddling in any form, creation of excessive fatigue, physical or psychological shocks, wearing apparel publicly which is conspicuous and not normally in good taste, engaging in public stunts and buffoonery, morally degrading or humiliating games and activities, involuntary labor, or any activity not consistent with the University of Missouri Board of Curators Standard of Student Conduct. The University of Missouri-St. Louis does not condone or tolerate hazing of any type by an organization, or by an individual against another individual.

The Office of Student Activities will investigate any incident in which a charge of hazing has been made. University recognition may be temporarily withdrawn pending hearings and due process procedures.

Should it be determined that a student organization or any of its members is guilty of hazing as previously defined, sanctions may include but are not limited to:

A. Automatic and indefinite suspension of campus recognition or registration with an accompanying loss of all campus privileges (i.e. use of facilities, student services, etc.);

B. Disciplinary action against those members involved in the incident(s) including suspension or expulsion from the university.

Implementation: Each organizational president (or equivalent officer) is required to read and sign the university's Policy on Hazing at the first regular meeting at which he or she presides. This policy, signed by the incoming president (or equivalent officer), must accompany any notification of a change in officers submitted to the Office of Student Activities. Failure to do so will result in the automatic imposition of inactive status on the organization with an accompanying loss of all university privileges until such time as the signed policy is submitted.

The following equal opportunity policies have been established by the University of Missouri Board of Curators to govern the academic and administrative functions of the four campuses and are available on the UM System website.

## University of Missouri Plan for Equal Opportunity and Affirmative Action (320.010)

### 320.010 Equal Employment Opportunity Program

Bd. Min. 2-19-71; Reaffirmed Bd. Min. 10-14-77; Amended Bd. Min. 5-23-80; Amended Bd. Min. 10-15-82; Amended Bd. Min. 10-16-03.

[http://www.umsystem.edu/ums/rules/collected\\_rules/personnel/ch320/320.010\\_Equal\\_Employment\\_Opportunity\\_Program](http://www.umsystem.edu/ums/rules/collected_rules/personnel/ch320/320.010_Equal_Employment_Opportunity_Program) (Reviewed August 13, 2013)

A. **Policy** -- The Curators of the University of Missouri do hereby reaffirm and state the policy of the University of Missouri on Equal Employment/Educational Opportunity.

1. Equal Opportunity is and shall be provided for all employees and applicants for employment on the basis of their demonstrated ability and competence without discrimination on the basis of their race, color, religion, sex, sexual orientation, national origin, age, disability, or status as a Vietnam era veteran. This policy shall not be interpreted in such a manner as to violate the legal rights of religious organizations or military organizations associated with the Armed Forces of the United States of America.
2. Equal Opportunity is and shall be also provided for all students and applicants for admission in compliance with existing legislation.

B. **Procedures** -- The President of the University shall establish affirmative action procedures to implement this policy.

The Office of Equal Opportunity is located in 414 Woods Hall. They can be reached by calling (314) 516-5695.

## Sexual Harassment (330.060)

### 330.060 Sexual Harassment

Executive Order No. 20, 3-17-81, rev. 7-1-81, 9-20-83, 3-93, 12-98

[http://www.umsystem.edu/ums/rules/collected\\_rules/personnel/ch330/330.060\\_sexual\\_harassment](http://www.umsystem.edu/ums/rules/collected_rules/personnel/ch330/330.060_sexual_harassment) (Reviewed August 13, 2013)

This University of Missouri policy aims for an increased awareness regarding sexual harassment by making available information, education and guidance on the subject for the University community.

- A. **Policy Statement** -- It is the policy of the University of Missouri, in accord with providing a positive discrimination-free environment, that sexual harassment in the work place or the educational environment is unacceptable conduct. Sexual harassment is subject to discipline, up to and including separation from the institution.
- B. **Definition** -- Sexual harassment is defined for this policy as either:
1. Unwelcome sexual advances or requests for sexual activity by a University employee in a position of power or authority to a University employee or a member of the student body, or
  2. Other unwelcome verbal or physical conduct of a sexual nature by a University employee or a member of the student body to a University employee or a member of the student body, when:
    - a. Submission to or rejection of such conduct is used explicitly or implicitly as a condition for academic or employment decisions; or
    - b. The purpose or effect of such conduct is to interfere unreasonably with the work or academic performance of the person being harassed; or
    - c. The purpose or effect of such conduct to a reasonable person is, to create an intimidating, hostile, or offensive environment.
- C. **Non-Retaliation** -- This policy also prohibits retaliation against any person who brings an accusation of discrimination or sexual harassment or who assists with the investigation or resolution of sexual harassment. Notwithstanding this provision, the University may discipline an employee or student who has been determined to have brought an accusation of sexual harassment in bad faith.
- D. **Redress Procedures** -- Members of the University community who believe they have been sexually harassed may seek redress, using the following options:
1. Pursue appropriate informal resolution procedures as defined by the individual campuses. These procedures are available from the campus Affirmative Action/Equal Opportunity Officer.
  2. Initiate a complaint or grievance within the period of time prescribed by the applicable grievance procedure. Faculty are referred to Section 370.010, "Academic Grievance Procedures"; staff to Section 380.010, "Grievance Procedure for Administrative, Service and Support Staff" and students to Section

390.010, "Discrimination Grievance Procedure for Students". Pursuing a complaint or informal resolution procedure does not compromise one's rights to initiate a grievance or seek redress under state or federal laws.

- E. **Discipline** -- Upon receiving an accusation of sexual harassment against a member of the faculty, staff, or student body, the University will investigate and, if substantiated, will initiate the appropriate disciplinary procedures. There is a five year limitation period from the date of occurrence for filing a charge that may lead to discipline. An individual who makes an accusation of sexual harassment will be informed:
1. at the close of the investigation, whether or not disciplinary procedures will be initiated; and
  2. at the end of any disciplinary procedures, of the discipline imposed, if any.

## Auxiliary Aids for Students with Disabilities (240.020)

**240.040 Policy Related to Students with Disabilities**  
([http://www.umssystem.edu/ums/rules/collected\\_rules/progr\\_ams/ch240/240.040\\_policy\\_related\\_to\\_students\\_with\\_disabilities](http://www.umssystem.edu/ums/rules/collected_rules/progr_ams/ch240/240.040_policy_related_to_students_with_disabilities)) (Reviewed August 13, 2013)

240.040 Policy Related to Students with Disabilities  
Executive Order No. 21, 11-1-84; Amended 2-25-97.

**A. EQUALITY OF ACCESS**—The University of Missouri (UM) strives to assure that no qualified person with a disability<sup>1</sup> shall, solely by reason of the disability, be denied access to, participation in, or the benefits of any program or activity operated by UM. Each such qualified person shall receive reasonable accommodations to provide equally effective access to educational opportunities, programs, and activities in the most integrated setting appropriate unless provision of such reasonable accommodation would constitute an undue hardship on the university or would substantially alter essential elements of the academic program or course of study or would otherwise compromise academic standards. This policy shall apply to all programs, services, and activities of the university, including but not limited to recruitment, admissions, registration, financial aid, academic programs, advising, counseling, student health, housing and employment.

**B. FEDERAL AND STATE LAWS**—This policy is intended to be consistent with Section 504 of the Rehabilitation Act of 1973, which states that no recipient of federal financial assistance may discriminate against qualified individuals with disabilities solely by reason of disability. This policy is also intended to be consistent with the Americans with Disabilities Act of 1990 and the Missouri Human Rights Act.

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<sup>1</sup> From the U.S. Justice Department's ADA Title II Technical Assistance Manual, Section II-2.8000: Qualified individual with a disability. In order to be an individual protected by Title II, the individual must be a "qualified" individual with a disability. To be qualified, the individual with a disability must meet the essential eligibility requirements for receipt of services or participation in a public entity's programs, activities, or services with or without:

- 1) Reasonable modifications to a public entity's rules, policies, or practices;
- 2) Removal of architectural, communication, or transportation barriers; or
- 3) Provision of auxiliary aids and services.

The "essential eligibility requirement" for participation in many activities of public entities may be minimal. For example, most public entities provide information about their programs, activities, and services upon request. In such situations, the only "eligibility requirement for receipt of such information would be the request of it. However, under other circumstances, the "essential eligibility requirements" imposed by public entity may be quite stringent.

**Illustration:** The medical school at a public university may require those admitted to its program to have successfully complete specified undergraduate science courses.

**C. FACILITIES**—Each program or activity, when viewed in its entirety, shall be accessible to otherwise qualified and eligible students with disabilities. Facilities, or parts of facilities, constructed or renovated for UM use will be designed and built so that they are accessible to and usable by persons with disabilities, in accordance with the ADA Accessibility Guidelines or other accessibility standards properly adopted by the campus. Accessible on-campus housing and food service will be provided at the same cost and with the same program options to qualified students with disabilities as are afforded to non-disabled students. When any UM classes, programs or activities are held in private facilities, thorough efforts shall be made to obtain facilities which are accessible.

#### **D. COORDINATION OF PROGRAMS AND SERVICES FOR STUDENTS WITH DISABILITIES**

1. Campus disability support service (DSS) offices or other designated campus units are responsible for coordination of programs, services, and classroom accommodations for qualified applicants for admission and qualified enrolled students with disabilities. Such coordination relates solely to disability issues. Determinations as to whether a student is otherwise qualified often will be based on the academic requirements developed by the faculty. Specific services available to qualified students with disabilities will be provided by the university in conformity with the requirements of federal and state law.
2. Determinations as to whether requested services and requested accommodations are required will be made initially by the Coordinator of DSS. Accommodation of the disability will be determined by the coordinator and faculty member, and if either disagrees with the prescribed accommodation, such disagreement shall be described in writing promptly and submitted to the Chancellor or his/her designee for resolution in a prompt manner.
3. Initial determinations and any disagreements submitted to the Chancellor or his or her designee will take into consideration all relevant factors including, but not limited to, the following:
  - a. current documentation of the specific disability and of the need for the requested services or accommodations;
  - b. the essential elements of the academic program or course of study being pursued;
  - c. the fact that the law does not require a university to substantially alter essential elements of its academic program or course of study or to otherwise compromise its academic standards.

4. All students seeking disability-related services and/or accommodations must disclose the presence of a specific disability to DSS. Before receiving requested services and/or accommodations, the student will be required to provide the DSS office with current medical or other diagnostic documentation of a disability from a qualified physician or other qualified diagnostician, as well as current documentation of the need for accommodations. In cases where existing documentation is incomplete or outdated, students may be required to provide additional documentation at the student's expense.
5. It is the student's responsibility to self-identify, to provide current and adequate documentation of his/her disability, and to request classroom accommodations, through the DSS office. The appropriate documentation must be provided in a timely manner to ensure full resolution of accommodations prior to the student's entrance into the program or course of study. Documentation review and accommodations planning by DSS, including consultation with faculty and/or other campus entities that may be affected in providing accommodations, will be done on an individualized case-by-case basis.
6. Reasonable classroom accommodations will be provided to otherwise qualified and eligible students with disabilities who have self-identified and who have provided satisfactory documentation in support of their timely request for such accommodations, in compliance with federal and state mandates. These accommodations shall not affect the substance of the educational programs or compromise educational standards.
7. In addition to providing accommodations needed to ensure nondiscrimination in access to educational opportunities by otherwise qualified students with disabilities, the university is responsible for ensuring that no qualified disabled student is denied the benefits of or excluded from participation in a university program because of the absence of auxiliary aids, services, and/or other reasonable accommodations. Auxiliary aids, services, and/or other accommodations include but are not limited to interpreters (sign or oral), readers, scribes, adaptive equipment, and other appropriate services or equipment necessary for course or program accessibility.
8. While funding for accommodations to ensure equally effective access is provided by the university, funding for auxiliary aids, accommodations, and/or services in some instances may be shared with state vocational rehabilitation agencies. The law does not require

and the university does not provide prescription devices or other devices/services of a personal nature (e.g. personal attendants) for students with disabilities.

#### **E. ESTABLISHMENT OF CAMPUS POLICIES—**

Chancellors are directed to establish campus policies and/or procedures consistent with this order. These should cover, at a minimum, treatment of disability-related information and appropriate regard for confidentiality, responsibilities of students in applying for services through DSS, time-lines to assure that students make accommodation requests in a timely manner, guidelines to assure that disability documentation is reasonably current, a description of the process of individualized assessment of each student's disability documentation and accommodation request(s), the role of faculty in determining the essential elements of the academic program or course of study and the academic standards involved in the accommodations planning and review process within the context of academic program requirements, and processing of complaints and grievances including a procedure for appeal when faculty and/or academic administrators or administrators in other involved campus entities do not agree with the DSS on the requirements of this policy.

### **AIDS Policy Statement (280.030)**

#### **280.030 AIDS Policy Statement**

Bd. Min. 6-24-88.

([http://www.umsystem.edu/ums/rules/collected\\_rules/progr\\_ams/ch280/280.030\\_aids\\_policy\\_statement](http://www.umsystem.edu/ums/rules/collected_rules/progr_ams/ch280/280.030_aids_policy_statement)) (Reviewed August 13, 2013)

- A. Current knowledge indicates college and university students or employees with AIDS, ARC or a positive HIV antibody blood test do not pose a health risk to either students or employees in a usual academic or residential setting. The policy of the University of Missouri is to permit students and employees with AIDS to continue to engage in as many of their normal pursuits as their condition allows. Managers should be sensitive to the medical problem and ensure that such employees are treated consistently with the treatment of other employees. Students will be allowed to continue their enrollment and activities (including continued residency in student housing) as long as they continue to meet academic standards and medical evidence indicates their conditions are not a threat to themselves or others. Every effort will be made to maintain confidentiality at all times.
- B. The University also has a legitimate interest in the welfare of all students, employees, and visitors to the campus. Every reasonable precaution will be taken to minimize the risk that an employee's or student's condition will present a health and/or safety hazard to others.

- C. The University will not discriminate against individuals with HIV infection, AIDS or ARC, but this protection does not include individuals with secondary infections or diseases that would constitute a direct threat to the health or safety of others or who may because of the disease or infection be unable to perform duties of their employment. In such cases, the appropriate University personnel or student policy will determine what changes, if any, will be made in the student's or employee's academic or work program.
- D. In the event of public inquiry concerning AIDS on campus, the Chancellor or the Chancellor's designee will provide appropriate information on behalf of the University. Existing policies regarding confidentiality of employee and student records will be followed.
- E. Consistent with its concern for students and employees with AIDS, the University offers a range of resources through the AIDS Task Force on each campus and through other campus and UM services.
  - 1. Student, employee, and management education and information;
  - 2. Referral to agencies and organizations that offer supportive services for life-threatening illnesses;
  - 3. Consultation to assist employees in effectively managing health, leave and other benefits.
- F. The AIDS Task Force on each campus will continue to meet periodically to review and update policy and to make recommendations as new medical facts become available. Each Task Force will continue to encourage programs to educate all members of the campus community about the reality of AIDS.
- G. To address specialized campus needs, each campus is authorized to adopt and implement special policies related to AIDS which are consistent with this policy statement.

## Affirmative Action on Committee Appointment (330.070)

### 330.070 Affirmative Action on Committee Appointments

Executive Guideline No. 13, October 31, 1977.  
[http://www.umssystem.edu/ums/rules/collected\\_rules/personnel/ch330/330.070\\_affirmative\\_action\\_on\\_committee\\_appointments](http://www.umssystem.edu/ums/rules/collected_rules/personnel/ch330/330.070_affirmative_action_on_committee_appointments) (Reviewed August 13, 2013)

- A. **Affirmative Action** -- As a part of the implementation of the Affirmative Action Plan of

the University of Missouri, any person appointing any committee for the University or any campus, in selecting the membership, shall give due consideration to the inclusion in such membership of women and minorities unless membership thereon is ex-officio.

## Discrimination Grievance Procedure for Students (390.010)

### 390.010 Discrimination Grievance Procedure for Students

Bd. Min. 12-17-82, Bd. Min. 1-25-90, Amended Bd. Min. 10-16-03, Amended Bd. Min. 11-29-07.  
[http://www.umssystem.edu/ums/rules/collected\\_rules/grievance/ch390/grievance\\_390.010](http://www.umssystem.edu/ums/rules/collected_rules/grievance/ch390/grievance_390.010) (Reviewed August 13, 2013)

- A. **General**
  - 1. It is the policy of the University of Missouri to provide equal opportunity for all enrolled students and applicants for admission to the University on the basis of merit without discrimination on the basis of their race, color, religion, sex, sexual orientation, national origin, age or disability, or Vietnam era veteran status. Sexual harassment shall be considered discrimination because of sex. This policy shall not be interpreted in such a way as to violate the legal rights of religious organizations or military organizations associated with the Armed Forces of the United States of America.
  - 2. To insure compliance with this policy, all University of Missouri prospective or enrolled students shall have available to them this student discrimination grievance procedure for resolving complaints and/or grievances regarding alleged discrimination.
  - 3. This grievance procedure neither supersedes nor takes precedence over established University procedures of due process for any and all matters related to Academic Dishonesty, Grade Appeals, Traffic Appeals, Disciplinary Appeals, or other specific campus procedures which are authorized by the Board of Curators and deal with faculty/staff responsibilities.
  - 4. These proceedings may be terminated at any time by the mutual agreement of the parties involved.
 

**NOTE:** A grievance concerning specific incidents filed under this discrimination grievance procedure shall not be processed on behalf of any student who elects to utilize another University grievance procedure. In addition, the filing of a grievance under these procedures precludes the subsequent



use of other University grievance or appeals procedures for the same incident.

**B. Definitions**

1. **A complaint is** an informal claim of discriminatory treatment. A complaint may, but need not, constitute a grievance. Complaints shall be processed through the informal procedure herein set forth.
2. **A grievance is** the written allegation of discrimination which is related to:
  - a. Recruitment and admission to the institution.
    - b. Admission to and treatment while enrolled in an education program.
    - c. Employment as a student employee on campus.
    - d. Other matters of significance relating to campus living or student life, including, but not limited to:
      - Assignment of roommates in resident halls
      - Actions of fraternities and sororities
      - Membership in and/or admission to clubs/organizations
      - Student Health Services
      - Financial aid awards
3. **A student is** any person who has applied for admission or readmission, or who is currently enrolled, or who was a student of the University of Missouri at the time of the alleged discrimination.
4. **Persons with disabilities** -- For the purpose of this student discrimination grievance procedure, a "person with a disability" has been substituted for "handicapped individual" (Section 504, Rehabilitation Act of 1973) and shall be defined as "...any person who Has a physical or mental impairment which substantially limits one or more of such person's major life activities.
  - a. Has a record of such impairment, or
  - b. Is regarded as having such an impairment."
 

For purpose of this definition, "major life activity" means any mental or physical function or activity which, if impaired, creates a substantial barrier to employment and/or education. Any reference in this document to written materials or to written

oral presentations within the student discrimination grievance procedure may be adjusted to accommodate persons with disabilities for whom the stated materials or required presentations would not be appropriate. Cost of such accommodation will be borne by the University, with no charge to the individual.

5. **Appropriate Administrative Officer** -- The primary administrative officer on the staff of the Chancellor (in the area of Student Affairs/Services, Administrative Services, Development, and Academic Affairs) having administrative responsibility for the unit in which the discrimination is alleged to have occurred.
  6. **Grievance Consultant** -- At any step the Director of Equal Opportunity or of Affirmative Action may be asked to serve as a consultant by any of the parties involved in this grievance procedure.
- C. Complaints**
1. **Policies and Procedures** -- A student with a complaint will be provided with copies of appropriate policies and procedures pertaining to student complaints and grievances, and the Chief Student Personnel Administrator or his/her designee and the Officer or Equal Opportunity or for Affirmative Action shall be available to assist the student in understanding the opportunities afforded through such policies and procedures. The student may choose to have an advisor participate in any stage of the grievance procedures, subject to the restrictions of the hearing procedures set forth in Section 390.010 F.
  2. **Joint Complaint** -- If more than one student is aggrieved by the same action, these students may, by mutual written agreement among themselves, file with the Chief Student Personnel Administrator a complaint and pursue their complaints jointly under this grievance procedure. If the number of students in such a case is as large as to make it impracticable for them to be heard individually in a joint proceeding, they may, by mutual agreement, elect one or more of their number to act on behalf of them all.
  3. **Students may** informally discuss a complaint with the relevant supervising administrator. Every reasonable effort should be made to resolve the matter informally at this administrative level. If a satisfactory resolution is not reached, the

- student may pursue the matter through each level of administrative jurisdiction up to and including the Appropriate Administrative Officer, or file a grievance within the time specified in D.1.b.
4. **Complaints Involving Recruitment**  
Undergraduate applicants must first present complaints about recruitment to the Director of Admissions. If a satisfactory resolution is not reached, the applicant may appeal the matter to the immediate supervising officer of the Director of Admissions.
    - a. Applicants for graduate study may request a meeting with the academic department head and the Dean of the College for those campuses having schools or colleges, or their designees, who are actually involved in the recruitment effort to discuss the matter informally. If a satisfactory resolution is not reached, the applicant may appeal to the Dean of the Graduate School/Vice Provost for Graduate Studies and finally to the Appropriate Administrative Officer.
  5. **Complaints Involving Admissions (Undergraduate or Professional)**  
Undergraduate and professional student applicants shall present complaints to the Director of Admissions or to the Dean of the School or College, depending upon where the application was originally filed.
    - a. This University official shall compare the person's academic qualifications against the official University admissions criteria and review the denial. If the denial is sustained, officials' immediate supervisor or to the appropriate admissions committee.
  6. **Complaints Involving Admissions (Graduate)** -- Applicants to the Graduate School may ask for a meeting with the academic department head of the program to which the applicant was seeking admission. This official shall explain the reasons for the denial of recommendation for admissions. If a satisfactory resolution is not reached, the applicant may then appeal to the Dean of the Graduate School/Vice Provost for Graduate Studies or to the appropriate admissions committee. If the denial is upheld, the applicant may appeal the decision to the appropriate administrative officer.
  7. **Complaints Involving Admissions to or Treatment in an Educational Program or in the Granting of Assistantships** -- An undergraduate or graduate student enrolled at the institution who has a discrimination complaint involving admission to or treatment in an educational program or in the granting of assistantships may request a conference with the appropriate department head and with the Dean of the School or College (or the Dean's designee) on those campuses having schools or colleges to discuss the matter informally. If a satisfactory resolution is not reached, the student may present a grievance pursuant to Section 390.010 F.
  8. **Complaints Involving Nonacademic Matters Related to Campus Living and Student Life** -- A currently enrolled student who has a University-related complaint concerning discrimination in nonacademic matters including but not limited to assignment of roommates, actions of fraternities and sororities, membership in and/or admissions to clubs/organizations, student health services and financial aid awards may request a conference with the appropriate administrative supervisor, department head and/or director to discuss the matter informally. If a satisfactory resolution is not reached, the student may present a grievance pursuant to Section 390.010 D.
  9. **Complaints Involving Student Employment on Campus** -- A student enrolled at the University who alleges that discrimination occurred either in applying for work or while working as a student employee at a University job may request a conference with the supervisor, department head or director of the employing unit to discuss the matter informally. If a satisfactory resolution is not reached, the student may present a grievance pursuant to Section 390.010 D.
  10. **Complaints Involving Financial Aid (Undergraduate, Graduate, Professional):**  
Undergraduate, graduate, and professional student aid applicants shall present complaints to the Director of Student Financial Aid where the application was originally filed or the award originally made.
    - a. This University official shall compare the person's financial and academic qualifications against the official University financial aid criteria and review the award, amount, or denial of the aid. If the original judgment is sustained, the applicant may

appeal this decision to the official's immediate supervisor or to the appropriate financial aid committee.

**D. Initiating a Grievance**

1. **Policies and Procedures** -- A student with a grievance will be provided copies of appropriate policies and procedures pertaining to student complaints and grievances, and the Chief of Student Personnel Administrator or designee and the Office for Equal Opportunity or for Affirmative Action shall be available to assist the student in understanding the opportunities afforded through such policies and procedures. The student may choose to have an advisor participate in any stage of the grievance procedure, subject to the restrictions of the hearing procedures set forth in Section 390.010 F.

**Joint Grievance** -- If more than one student is aggrieved by the same action, these students may, by mutual written agreement among themselves, file with the Chief Student Personnel Administrator a grievance and pursue their grievances jointly under this grievance procedure. If the number of students in such a case is so large as to make it impractical for them to be heard individually in a joint proceeding, they may, by mutual agreement, elect one or more of their number to act on behalf of all of them.

- a. **Regardless of their nature**, all discrimination grievances are to be filed with the Chief Student Personnel Administrator. A grievance must have been filed by a student within one-hundred-eighty (180) calendar days of the date of the alleged discriminatory act.

2. **Filing a Grievance**  
All grievances must be presented in writing and contain the following information:

(1) A clear concise statement of the grievance which includes the name of the person(s) against whom the grievance is made, the date(s) of the alleged discrimination and a statement describing the specific supporting evidence;

(2) A brief summary of the prior attempts to resolve the matter which includes the names of persons with whom the matter was discussed and the results of those previous discussions;

(3) A specific statement of the remedial action or relief sought.

- a. Within seven (7) working days, the original grievance form with an explanation will be returned to the student if, in the judgment of the Chief Student Personnel Administrator, the statements are vague or do not meet the above requirement. The student may make the necessary corrections, and resubmit the grievance within seven (7) days.
3. Any grievance not filed within the time limits specified in Section 390.010 D.1.b shall be deemed waived by the grievant. The Chief Student Personnel Administrator may extend the time limits only if adequate cause for an extension of the time limits can be shown by the student.
4. For informational purposes, copies of the grievance shall be forwarded to the Appropriate Administrative Officer and the Director of Equal Employment and/or Affirmative Action.
5. Within fifteen (15) working days of receipt of a grievance that satisfies the requirement of Section 390.010 D.1.b, the Appropriate Administrative Officer with the consent of the parties involved may establish an informal hearing with the aggrieved student, the responding faculty/staff/organization, the respondent's supervisor and the Appropriate Administrative Officer's designee. The Appropriate Administrative Officer shall not involve himself/herself in this meeting. If the informal means of resolving the grievance fails, a grievance committee will be impaneled as called for in Section 390.010 E.1.
- E. **Formation of Grievance Committee**
  1. It the Appropriate Administrative Officer's responsibility to initiate the selection of the grievance committee within fifteen (15) working days after the request for the formation of a grievance committee or after the completion of the informal hearing provided for in Section 390.010 F.5 without satisfaction to the grievant.
  2. A grievance hearing panel shall be established by October 1 of each year from which a grievance committee should be constituted. The panel shall consist of ten (10) faculty, ten (10) staff and ten (10) students. Selection of the panel will be made by the Chief Student Personnel Administrator from recommendations by the appropriate faculty, staff and student associations. Selection of membership

will consider sex, race, disability, academic rank, student classification and employee classification. Membership on the hearing panel shall be for two years. A member's term shall expire on September 30 of the second year unless he/she is serving at that time on a hearing committee still in the process of reviewing an unresolved grievance. In such case, the member's term shall expire as soon as the committee has submitted a written report of its findings and recommendations to the Appropriate Administrative Officer.

3. A hearing committee shall be composed of five (5) members. The grievant shall select two (2) members from the grievance hearing panel provided by the Chief Student Personnel Administrator. The responding faculty/staff/organization shall select two (2) members from the grievance hearing panel. Both parties should have their selection made within 15 working days of the receipt of the request. The four committee members shall then select an additional member from the grievance hearing panel to serve as chair. Neither members of the immediate departmental unit nor student members of pertinent student organizations involved in the grievance shall be eligible to serve on the committee.
4. Any person selected to a grievance committee will be expected to serve on such committees and to be present at all sessions. If a member is absent from a single session, he/she will be required to review all tapes or transcribed proceedings of that session prior to the next meeting of the committee. Should a member be absent from two sessions or should a member request to be excused from service for reasons of illness, necessary absence from the campus or other hardship, then the member shall be replaced in the same manner used in the original selection (see Section 390.010 E.3). If a member is unable or ineligible to serve for whatever reason, the replacement shall review all tapes or written transcripts and all submitted evidence prior to service on the committee. Five members of the hearing committee, duly selected as in Sections 390.010 E.3 and E.4 must attend the opening and closing session of the hearing.

**F. Hearing Procedures for Formal Grievances**

1. It shall be the responsibility of the Appropriate Administrative Officer to

coordinate the procedure contained herein, to make provisions for hearing rooms, to coordinate secretarial and recording services and to otherwise serve the grievance committee as needed.

2. At the first organizational meeting of the grievance committee, the committee shall elect a chairperson from among the members to preside over subsequent meetings. Then the chairperson shall schedule a hearing at the earliest convenient time when all affected parties can be present.
3. A quorum consists of a minimum of four members of the committee except as provided by Section 390.010 E.4.
4. The grievance committee shall invite the grievant and the responding person to all hearings. Attendance at the hearings shall be limited to persons who have an official connection with the case as determined by the chairperson. The grievant and the responding person may choose to be accompanied by an advisor. Others whose participation in the hearing is considered essential in order to assist the committee in establishing the facts of the case shall appear before the committee only long enough to give testimony and to answer questions of committee members.
5. It is within the duties and responsibilities of all members of a grievance committee to commit themselves to observe procedures consistent with fairness to all parties concerned. For example, it is a matter of principle that members of the grievance committee will not discuss a case with anyone outside of the hearing process and that their finding will not be influenced by anything other than the evidence presented to them in meetings in which all affected parties are present.
6. The grievance committee shall set forth the rules of procedure for the hearing within the guidelines set forth herein. The chairperson may, for good cause and with the concurrence of a majority of the entire committee, authorize deviation from the suggested format, in which case the principal parties shall be notified. The grievant shall be heard first in all phases of a grievance hearing and shall be primarily responsible for the presentation of his/her position.
  - a. The advisor of the grievant or respondent may advise that person and may briefly explain his or her position but shall not be permitted to testify or to cross-examine.

- b. A reasonable time limit should be established for opening and closing statements and shall be announced prior to the hearing.
  - c. Length of hearing sessions may be established in advance; every effort should be made to conduct the hearing as expeditiously as possible, with equal fairness to both parties.
  - d. The interested parties shall provide the chairperson with the names of the advisor and potential witnesses at least forty-eight (48) hours prior to the hearing. It is the responsibility of the interested party, working with the chairperson, to ensure the presence of these individuals in a timely manner.
  - e. After initial witnesses for both parties have been heard, such witnesses may be recalled for additional questioning if requested by either party or the grievance committee. The committee may call new witnesses whose testimony it deems relevant or helpful.
  - f. In order to promote the truthful, unfettered exchange of information and ideas, all testimony pertaining to the grievance hearing shall be held in confidence.
  - g. Only evidence relevant to the grievance may be introduced. Questions regarding the admissibility of evidence shall be decided by the chairperson.
7. At any point in the proceedings prior to the time at which the committee reaches its final decision, the grievant may withdraw any portion or all of the grievance with the consent of a majority of the committee members and of the respondent. In all cases of withdrawal at the consent of the committee and of the respondent, the grievant shall not have the privilege of reopening the same grievance at any time in the future. In the event that the student refuses to participate further in the committee hearing, the committee may choose to continue the case or to move to closure with an appropriate closing statement as per Section 390.010 F.9.
8. A confidential tape recording of the grievance hearing shall be made and will be accessible to the parties involved, the committee, the Appropriate Administrative Officer, the Chancellor, the

President, members of the Board of Curators and authorized representatives on a need-to-know basis. Either party to the grievance may request that the committee provides a written transcript of testimony. The cost of preparation of such a transcript is to be paid by the party making such request unless Section 390.010 B.4 is applicable. After the report of the grievance committee has been prepared, the tapes and relevant materials will be sealed and filed in the Appropriate Administrative Office. Unless extraordinary circumstances apply, these materials will be destroyed at the end of five years.

9. At the conclusion of the grievance hearing, the members of the grievance committee shall meet in closed session to deliberate upon their findings. A majority vote of the entire committee shall be required on all decisions. The grievance committee shall make a written report on findings and recommendations to the Appropriate Administrative Officer of the University, with copies to the grievant(s) and the responding person(s). The written report will contain:
- A statement of the purpose of the hearing,
    - a. Issues considered,
    - b. A summary of the testimony and other evidence presented,
    - c. Findings of fact as developed at the hearing, and
    - d. Recommendations for final disposition of the case.
10. The Appropriate Administrative Officer will make his/her decision. This decision and the actions that have been taken shall be presented to both parties in writing. If the administrator officer does not accept the recommendations of the grievance committee, a written statement of the reasons for so ruling must be given to both parties and to the chairperson of the committee.
11. If requested by the grievant or the responding party, normally within seven (7) calendar days of the notification of the decision, the decision of the Appropriate Administrative Officer may be subject to a review of the records by the Chancellor. Any review and decision by the Chancellor shall be made normally within thirty (30) calendar days. The decision of the Chancellor can be appealed to the President, who shall have thirty (30) calendar days in which to make a decision, which shall be final.
12. Grievances shall receive prompt attention. The hearing and the report of

the grievance committee shall normally be completed within sixty (60) calendar days of the formation of the grievance committee, and a final decision shall be made by the Appropriate Administrative Officer normally within ten (10) calendar days thereafter. In any case in which these time schedules should prove to be inadequate, the committee shall present, in writing, an amended time schedule to all parties involved.

The format for filing a student discrimination is located at [http://www.umssystem.edu/ums/rules/collected\\_rules/grievance/ch390/grievance\\_390.010](http://www.umssystem.edu/ums/rules/collected_rules/grievance/ch390/grievance_390.010).

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## Profile

Name:	University of Optometry College of Optometry
Address:	One University Boulevard St. Louis, Missouri 63121-4400
Location:	South Campus Complex of the University of Missouri-St. Louis
History:	UM-St. Louis, the fourth campus of the University of Missouri was established in 1963.  The College of Optometry was established in 1980; graduated its first class in May 1984.
Programs:	Doctor of Optometry (O.D.) Hospital Based Optometric Residency Residency Program in Contact Lenses Residency in Pediatrics and Binocular Vision Residency in Low Vision Rehabilitation Residency Program in Ocular Disease and Eye Health-Management at Eye Health Care
Class Size:	44
Faculty/ Student Ratio:	1:6
Clinical Facilities:	UM-St. Louis South Campus Complex University Eye Center Optometric Center of St. Louis East St. Louis Optometric Center
Specialty Clinics:	Low Vision Rehabilitation Pediatric/Binocular Vision Contact Lens Eye Health Management Specialized Visual Analysis (which includes electroretinography, visual evoked potential, contrast sensitivity, dark adaptation and glare recovery, color vision and temporal resolution, and special tests of retinal and optic nerve function tailored for the particular patient's needs)
Accreditation:	Accreditation Council on Optometric Education of the American Optometric Association (ACOE) 243 North Lindbergh St. Louis, MO 63141 Next site visit is scheduled for November, 2015

## Academic Calendar for 2015-2016

### 2015 Fall Semester

#### August

24 Monday, classes begin 8:00 a.m.

#### September

7 Monday, Labor Day Holiday  
8 Tuesday, classes resume 8:00 a.m.

#### November

21 Saturday, Fall Break (Thanksgiving Holiday) begins 5:00 p.m.  
30 Monday, classes resume 8:00 a.m.

#### December

12 Saturday, classes end 5:00 p.m.  
14 Monday, final examinations begin  
19 Saturday, Fall Semester closes, end of day  
19 Saturday Fall Commencement

### 2016 Winter Intersession

#### January

4 Monday, classes begin 8:00 a.m.  
16 Saturday, classes end 5:00 p.m.

### 2016 Spring Semester

#### January

4 Monday, 4<sup>th</sup> year clinic begins at all sites  
4 Monday, 3<sup>rd</sup> year classes, clinics, laboratories begin 8:00 a.m.  
18 Monday, Martin Luther King Holiday  
19 Tuesday, classes begin 8:00 a.m.

#### March

7 Monday, 3<sup>rd</sup> year NBEO study break begins (all clinic responsibilities continue)  
15 & 16 Monday & Tuesday, NBEO Part I Exam (3<sup>rd</sup> year targeted exam dates)  
18 Friday, 3<sup>rd</sup> year classes resume  
26 Saturday, Internal Spring recess begins 5:00 p.m.

#### April

4 Monday, classes resume 8:00 a.m.  
21 Clinic privileging exam (tentative date)

#### May

7 Saturday, classes end 5:00 p.m.  
9 Monday, final examinations begin  
13 Friday, orientation to clinic for 2<sup>nd</sup> year students (tentative, time to be announce)  
14 Saturday, Spring Semester closes, end of day  
14 Saturday, Spring Commencement

### 2016 Summer Semester

#### Session I (4 weeks)

#### May

16 Monday, classes begin, 8:00 a.m.  
30 Monday, Memorial Day holiday  
31 Tuesday, classes resume, 8:00 a.m.

#### June

11 Saturday, session closes, end of day

#### Session 2 (4 weeks)

#### June

13 Monday, classes begin, 8:00 a.m.

#### July

4 Friday, Independence Day holiday  
5 Monday, classes resume, 8:00 a.m.  
9 Saturday, session closes, end of day

#### Session 3 (4 weeks)

#### July

11 Monday, classes begin, 8:00 a.m.

#### August

6 Saturday, session closes, end of day

*Final examinations are held during the last class meeting of Summer Sessions 1, 2 & 3*

#### Session 4 (8 weeks)

**May 16 – July 9** (Summer Sessions 1 & 2, above)  
**July y, 7, 8 & 9** Final Examinations

#### Session 5 (8 weeks)

**June 13 – August 6** (Summer Sessions 2 & 3, above)  
**August 3, 4, 5 & 6** Final Examinations

#### Session 6 (12 weeks)

**May 16 – August 6** (Summer Sessions, 1, 2, & 3, above)  
**August 3, 4, 5 & 6** Final Examinations

**August 6** Saturday Summer Commencement

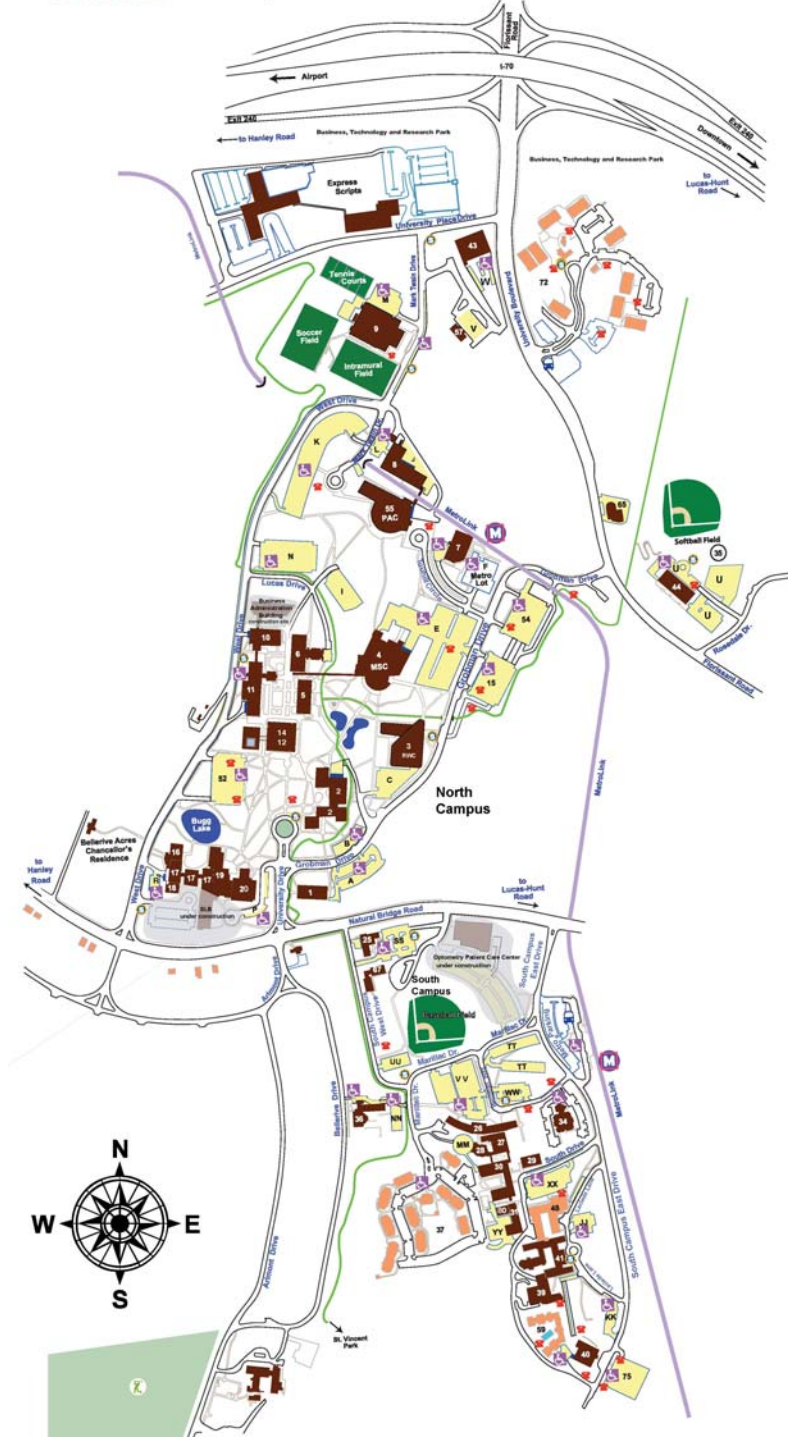
Note: Students will not be allowed to enter courses (undergraduate and/or graduate) following the first week of a regular semester without the written consent of the instructor.

[http://www.umsl.edu/services/academic/publications/academic\\_calendar.html](http://www.umsl.edu/services/academic/publications/academic_calendar.html)



# Campus Map

<http://www.umsl.edu/files/pdfs/campus-map.pdf>



Building	
Anheuser - Busch Ecology and Conservation Complex (ABE)	18
Arts Administration Building (AAB)	8
Bellerive Hall (BRH)	36
Benton Hall (BH)	17
Blanche M. Touhill Performing Arts Center (PAC)	55
Boiler Garage / Surplus Property(BG)	80
Business Administration Building (BAB)	BAB
Campus Police Building (CPB) Gallery 219	7
Clark Hall (CH)	5
E. Desmond Lee Technology & Learning Center AND Math & Science Education Central (TLC)	27
Education Administration Building (EAB)	28
Express Scripts Hall (ESH)	10
Fine Arts Building (FAB)	44
J. C. Penney Building / Conference Center (JCP)	2
Kathy J. Weinman Children's Advocacy Centre and Center for Trauma Recovery (KWC)	34
Lucas Hall (LH)	6
Mansion Hill Condos (MHC)	72
Mark Twain Athletic Center (MT)	9
Marillac Hall / Optometry Clinic (MH)	26
Music Building (MB)	25
Millennium Student Center (MSC) Student Services	4
Millennium Student Center Garage North (MGN)	54
Millennium Student Center Garage South (MGS)	15
Nursing Administration Building (NAB)	40
Oak Hall (OAK)	59
Optometry Patient Care Center (OPCC)	OPCC
Provincial House (PH) Pierre Laclede Honors College (HC)	41
Recreation & Wellness Center (RWC)	3
Regional Center for Education & Work (RCEW)	43
Research Building (RB)	19
Richard D. Schwartz Observatory (RSO)	35
Sassin Building (SAS) ELS Language Centers - St. Louis	67
Sculpture and Ceramics Annex (SCA)	65
Seton Center Hall (SC)	39
Science Learning Building (SLB)	SLB
Social Sciences & Business Building / Tower (SSB)	11
South Campus Classroom Building (SCCB) Child Development Center	30
South Campus Computer Building (SCB)	31
South Campus Garage (SCG)	75
Stadler Hall (SH)	20
St. Louis Mercantile Library (SLML)	12
Thomas Jefferson Library (TJL)	14
UMSL Postal Service (PS)	57
University Meadows Apartments (UMA)	37
Villa Building (VB)	48
Ward E. Barnes Building (WEB)	29
Wellness and Recreation Center (RWC)	3
West Drive Garage South (WDGS)	52
William L. Clay Center for Nanoscience (CNS)	16
Woods Hall (WH)	1

**Parking Facilities**

A permit is required on all vehicles parked on campus. Obtain permits at the Cashier's Office in the Millennium Student Center, or at the Parking and Transportation Office in the Campus Police Building.

Students: E I K M N U 15 52 54  
 JJ KK MM NN RR SS TT UU VV WW XX YY 75

Faculty / Staff: All parking lots and garages except restricted areas

Handicapped: A B C F K L M N R P T 15 52 54  
 JJ KK NN RR SS VV XX 75

Guest / Visitors: Parking Meters on lot VV  
 Two Hour Maximum on lot C

Revised July 28, 2015

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## Curriculum Addendum

### Classes of 2016<sup>†</sup>

<b>First Year Fall Semester</b>		<b>Credit Hours</b>	<b>Lecture Hours</b>	<b>Lab Hours<sup>†</sup></b>	<b>Clinic Hours<sup>†</sup></b>
8010	Anatomy, Physiology and Disease Processes I	5	4	2	-
8020	Basic and Clinical Optics I	4	3	2	-
8030	Introduction to Optometry	1	1	-	-
8040	Neuroanatomy	4	3	2	-
8060	Biochemistry	3	3	-	-
8090	Case Based Discovery for the Developing Clinician	1	1	-	-
8350	Epidemiology	2	2	-	-

<b>First Year Spring Semester</b>		<b>Credit Hours</b>	<b>Lecture Hours</b>	<b>Lab Hours<sup>†</sup></b>	<b>Clinic Hours<sup>†</sup></b>
8090	Case Based Discovery for the Developing Clinician	1	1	-	-
8110	Anatomy, Physiology and Disease Processes II	5	4	2	-
8120	Basic and Clinical Optics II	5	4	2	-
8160	Anatomy and Physiology of the Eye	5	4	2	-
8180	Clinical Optometry I	5	3	4	-

<b>Second Year Fall Semester</b>		<b>Credit Hours</b>	<b>Lecture Hours</b>	<b>Lab Hours<sup>†</sup></b>	<b>Clinic Hours<sup>†</sup></b>
8220	Ophthalmic Optics	4	3	2	-
8230	Interpersonal Communications	2	2	-	-
8240	Ocular Motility	2	2	-	-
8250	Monocular Sensory Processes	5	4	2	-
8260	Foundations of Ocular and Systemic Disease and Management I	4	3	2	-
8280	Clinical Optometry II	5	3	4	-

<b>Second Year Spring Semester</b>		<b>Credit Hours</b>	<b>Lecture Hours</b>	<b>Lab Hours<sup>†</sup></b>	<b>Clinic Hours<sup>†</sup></b>
8320	Ophthalmic Dispensing	1	-	2	-
8340	Binocular Vision and Space Perception	4	3	2	-
8370	Foundations of Ocular and Systemic Disease and Management II	7	6	2	-
8380	Clinical Optometry III	2	1	2	-
8390	Specialty Clinic Laboratory	1	-	2	-
8391	Clinical Topics in Contact Lenses	1	1	-	-
8392	Clinical Topics in Binocular Vision and Pediatric Optometry	1	1	-	-
8393	Clinical Topics in Low Vision	1	1	-	-
8560	Public Health	2	2	-	-

<b>Third Year Fall Semester</b>		<b>Credit Hours</b>	<b>Lecture Hours</b>	<b>Lab Hours<sup>†</sup></b>	<b>Clinic Hours<sup>†</sup></b>
8500	Primary Care Clinic I	6	-	-	12
8520	Contact Lenses I	3	2	2	-
8540	Binocular Vision Anomalies	4	3	2	-
8550	Low Vision	2	1	2	-
8570	Advanced Topics In Ocular and Systemic Disease & Management	6	5	2	-
8650	Geriatric Optometry	2	2	-	-

<b>Third Year Spring Semester</b>		<b>Credit Hours</b>	<b>Lecture Hours</b>	<b>Lab Hours<sup>†</sup></b>	<b>Clinic Hours<sup>†</sup></b>
8600	Primary Care Clinic II	6	-	-	12
8610	Environmental Vision	2	2	-	-
8620	Contact Lenses II	2	2	-	-
8630	Practice Management III	3	3	-	-
8640	Pediatric Optometry	2	2	-	-
(8645	Neurologic Diseases	2	2	-	-)
8660	Contact Lens Specialty Clinic	1	-	-	2
8670	Comprehensive Case Review and Analysis	1	1	-	-
8680	Ophthalmic Lasers	1	1	-	-
8690	Pediatric /Binocular Vision Specialty Clinic I	1	-	-	2

<b>Fourth Year Category 1 UM-St. Louis</b>		<b>Credit Hours</b>	<b>Lecture Hours</b>	<b>Lab Hours<sup>†</sup></b>	<b>Clinic Hours<sup>†</sup></b>
<i>Note: Must enroll in 8700, 8710, and 8720 concurrently.</i>					
8700	UM-St. Louis Pediatric/ Binocular Vision Patient Care	3	-	-	6
8710	UM-St. Louis Contact Lens Patient Care	3	-	-	6
8720	UM-St. Louis Eye Health Management Patient Care	1	-	-	2

<b>Fourth Year Category 2 Institutional</b>		<b>Credit Hours</b>	<b>Lecture Hours</b>	<b>Lab Hours<sup>†</sup></b>	<b>Clinic Hours<sup>†</sup></b>
8780	External Rotation in Institutional Patient Care	7	-	-	14

<b>Fourth Year Category 3 Ocular Disease</b>		<b>Credit Hours</b>	<b>Lecture Hours</b>	<b>Lab Hours<sup>†</sup></b>	<b>Clinic Hours<sup>†</sup></b>
8790	External Rotation in Ocular Disease Patient Care	7	-	-	14

<b>Fourth Year Category 4 Intern</b>		<b>Credit Hours</b>	<b>Lecture Hours</b>	<b>Lab Hours<sup>†</sup></b>	<b>Clinic Hours<sup>†</sup></b>
8730	Community Service Patient Care Rotation A	7	-	-	14
8750	Community Service Patient Care Rotation B	7	-	-	14
8760	Community Service Patient Care Rotation D	7	-	-	14
8770	Community Service Patient Care Rotation C	7	-	-	14

<b>Fourth Year Category 5 Specialty</b>		<b>Credit Hours</b>	<b>Lecture Hours</b>	<b>Lab Hours<sup>†</sup></b>	<b>Clinic Hours<sup>†</sup></b>
8800	External Rotation in Pediatric/Binocular Vision Patient Care	7	-	-	14
8810	External Rotation in Contact Lens Patient Care	7	-	-	14
8811	External Rotation in Ophthalmic Surgical Care	7	-	-	14
8812	External Rotation in Geriatric Patient Care	7	-	-	14
8813	External Rotation in Ophthalmic Sports Vision	7	-	-	14
8814	External Rotation in Primary Care	7	-	-	14
8815	External Rotation in Pathology and Treatment	7	-	-	14
8816	External Rotation in Ophthalmic Laser Treatment	7	-	-	14
8817	External Rotation in Rehabilitative Patient Care	7	-	-	14
8820	External Rotation in Low Vision Patient Care	7	-	-	14

<b>Fourth Year Category 6 Elective</b>		<b>Credit Hours</b>	<b>Lecture Hours</b>	<b>Lab Hours<sup>†</sup></b>	<b>Clinic Hours<sup>†</sup></b>
8830	External Rotation in General Patient Care	7	-	-	14
8840	External Supplementary Rotation in General Patient Care	7	-	-	14
8850	Supplementary Rotation in General Patient Care	7	-	-	14

<b>Fourth Year Required Courses</b>		<b>Credit Hours</b>	<b>Lecture Hours</b>	<b>Lab Hours<sup>†</sup></b>	<b>Clinic Hours<sup>†</sup></b>
8870	Practice Management IV	2	2	-	-
8880	Clinic Seminar	1	1	-	-

## Elective Courses in the College of Optometry

8400	Directed Readings
8410	Directed Research

<sup>‡</sup> Due to advances in the optometric profession, sequencing of courses may change. The courses listed above are subject to change through normal academic procedures. Refer to the addendum at the end of this bulletin for curricular changes that may affect your program sequencing.

<sup>†</sup> Every two (2) lab hours and every two (2) clinic hours is equivalent to one (1) credit hour.

Classes of 2017<sup>†</sup>

First Year Fall Semester		Credit Hours	Lecture Hours	Lab Hours <sup>†</sup>	Clinic Hours <sup>†</sup>
8010	Anatomy, Physiology and Disease Processes I	5	4	2	-
8020	Basic and Clinical Optics I	4	3	2	-
8030	Introduction to Optometry	1	1	-	-
8040	Neuroanatomy	4	3	2	-
8060	Biochemistry	3	3	-	-
8090	Case Based Discovery for the Developing Clinician	1	1	-	-
8350	Epidemiology	2	2	-	-

First Year Spring Semester		Credit Hours	Lecture Hours	Lab Hours <sup>†</sup>	Clinic Hours <sup>†</sup>
8090	Case Based Discovery for the Developing Clinician	1	1	-	-
8110	Anatomy, Physiology and Disease Processes II	5	4	2	-
8120	Basic and Clinical Optics II	5	4	2	-
8160	Anatomy and Physiology of the Eye	5	4	2	-
8180	Clinical Optometry I	5	3	4	-

Second Year Fall Semester		Credit Hours	Lecture Hours	Lab Hours <sup>†</sup>	Clinic Hours <sup>†</sup>
8220	Ophthalmic Optics	4	3	2	-
8230	Interpersonal Communications	2	2	-	-
8240	Ocular Motility	2	2	-	-
8250	Monocular Sensory Processes	5	4	2	-
8260	Foundations of Ocular and Systemic Disease and Management I	4	3	2	-
8280	Clinical Optometry II	5	3	4	-

Second Year Spring Semester		Credit Hours	Lecture Hours	Lab Hours <sup>†</sup>	Clinic Hours <sup>†</sup>
8320	Ophthalmic Dispensing	1	-	2	-
8340	Binocular Vision and Space Perception	4	3	2	-
8370	Foundations of Ocular and Systemic Disease and Management II	5	4	2	-
8380	Clinical Optometry III	2	1	2	-
8390	Specialty Clinic Laboratory	1	-	2	-
8391	Clinical Topics in Contact Lenses	1	1	-	-
8392	Clinical Topics in Binocular Vision and Pediatric Optometry	1	1	-	-
8393	Clinical Topics in Low Vision	1	1	-	-
8560	Public Health	2	2	-	-

Third Year Summer 12-week Session		Credit Hours	Lecture Hours	Lab Hours <sup>†</sup>	Clinic Hours <sup>†</sup>
(8460)	Foundations of Ocular and Systemic Disease and Management III	2	2	-	-)
(8540)	Binocular Vision Anomalies	4	3	2	-)
(8650)	Geriatric Optometry	2	2	-	-)
(8450)	Summer Primary Care Clinic	4	-	8	-)

Third Year Fall Semester		Credit Hours	Lecture Hours	Lab Hours <sup>†</sup>	Clinic Hours <sup>†</sup>
8500	Primary Care Clinic I	6	-	-	12
8520	Contact Lenses I	3	2	2	-
8550	Low Vision	2	1	2	-
8570	Advanced Topics In Ocular and Systemic Disease & Management	6	5	2	-
8640	Pediatric Optometry	2	2	-	-

Third Year Spring Semester		Credit Hours	Lecture Hours	Lab Hours <sup>†</sup>	Clinic Hours <sup>†</sup>
8600	Primary Care Clinic II	6	-	-	12
8610	Environmental Vision	2	2	-	-
8620	Contact Lenses II	2	2	-	-
8630	Practice Management III	3	3	-	-
(8645)	Neurologic Diseases	2	2	-	-)
8660	Contact Lens Specialty Clinic	1	-	-	2
8670	Comprehensive Case Review and Analysis	1	1	-	-
8680	Ophthalmic Lasers	1	1	-	-
8690	Pediatric /Binocular Vision Specialty Clinic I	1	-	-	2

Fourth Year Category 1 UM-St. Louis		Credit Hours	Lecture Hours	Lab Hours <sup>†</sup>	Clinic Hours <sup>†</sup>
<i>Note: Must enroll in 8700, 8710, and 8720 concurrently.</i>					
8700	UM-St. Louis Pediatric/ Binocular Vision Patient Care	3	-	-	6
8710	UM-St. Louis Contact Lens Patient Care	3	-	-	6
8720	UM-St. Louis Eye Health Management Patient Care	1	-	-	2

Fourth Year Category 2 Institutional		Credit Hours	Lecture Hours	Lab Hours <sup>†</sup>	Clinic Hours <sup>†</sup>
8780	External Rotation in Institutional Patient Care	7	-	-	14

Fourth Year Category 3 Ocular Disease		Credit Hours	Lecture Hours	Lab Hours <sup>†</sup>	Clinic Hours <sup>†</sup>
8790	External Rotation in Ocular Disease Patient Care	7	-	-	14

Fourth Year Category 4 Intern		Credit Hours	Lecture Hours	Lab Hours <sup>†</sup>	Clinic Hours <sup>†</sup>
8730	Community Service Patient Care Rotation A	7	-	-	14
8750	Community Service Patient Care Rotation B	7	-	-	14
8760	Community Service Patient Care Rotation D	7	-	-	14
8770	Community Service Patient Care Rotation C	7	-	-	14

<b>Fourth Year Category 5 Specialty</b>		<b>Credit Hours</b>	<b>Lecture Hours</b>	<b>Lab Hours<sup>†</sup></b>	<b>Clinic Hours<sup>†</sup></b>
8800	External Rotation in Pediatric/Binocular Vision Patient Care	7	-	-	14
8810	External Rotation in Contact Lens Patient Care	7	-	-	14
8811	External Rotation in Ophthalmic Surgical Care	7	-	-	14
8812	External Rotation in Geriatric Patient Care	7	-	-	14
8813	External Rotation in Ophthalmic Sports Vision	7	-	-	14
8814	External Rotation in Primary Care	7	-	-	14
8815	External Rotation in Pathology and Treatment	7	-	-	14
8816	External Rotation in Ophthalmic Laser Treatment	7	-	-	14
8817	External Rotation in Rehabilitative Patient Care	7	-	-	14
8820	External Rotation in Low Vision Patient Care	7	-	-	14

<b>Fourth Year Category 6 Elective</b>		<b>Credit Hours</b>	<b>Lecture Hours</b>	<b>Lab Hours<sup>†</sup></b>	<b>Clinic Hours<sup>†</sup></b>
8830	External Rotation in General Patient Care	7	-	-	14
8840	External Supplementary Rotation in General Patient Care	7	-	-	14
8850	Supplementary Rotation in General Patient Care	7	-	-	14

<b>Fourth Year Required Courses</b>		<b>Credit Hours</b>	<b>Lecture Hours</b>	<b>Lab Hours<sup>†</sup></b>	<b>Clinic Hours<sup>†</sup></b>
8870	Practice Management IV	2	2	-	-
8880	Clinic Seminar	1	1	-	-

## Elective Courses in the College of Optometry

8400	Directed Readings
8410	Directed Research

<sup>‡</sup> Due to advances in the optometric profession, sequencing of courses may change. The courses listed above are subject to change through normal academic procedures. Refer to the addendum at the end of this bulletin for curriculum changes that may affect your program sequencing.

<sup>†</sup> Every two (2) lab hours and every two (2) clinic hours is equivalent to one (1) credit hour.

**Classes of 2018<sup>†</sup>**

<b>First Year Fall Semester</b>		<b>Credit Hours</b>	<b>Lecture Hours</b>	<b>Lab Hours<sup>†</sup></b>	<b>Clinic Hours<sup>†</sup></b>
8010	Anatomy, Physiology and Disease Processes I	5	4	2	-
8020	Basic and Clinical Optics I	4	3	2	-
8030	Introduction to Optometry	1	1	-	-
8040	Neuroanatomy	4	3	2	-
8060	Biochemistry	3	3	-	-
8090	Case Based Discovery for the Developing Clinician	1	1	-	-
8350	Epidemiology	2	2	-	-

<b>First Year Spring Semester</b>		<b>Credit Hours</b>	<b>Lecture Hours</b>	<b>Lab Hours<sup>†</sup></b>	<b>Clinic Hours<sup>†</sup></b>
8110	Anatomy, Physiology and Disease Processes II	5	4	2	-
8120	Basic and Clinical Optics II	5	4	2	-
8160	Anatomy and Physiology of the Eye	5	4	2	-
8180	Clinical Optometry I	5	3	4	-
8190	Introduction to Clinical Diagnostic Reasoning	1	1	-	-

<b>Second Year Fall Semester</b>		<b>Credit Hours</b>	<b>Lecture Hours</b>	<b>Lab Hours<sup>†</sup></b>	<b>Clinic Hours<sup>†</sup></b>
8220	Ophthalmic Optics	4	3	2	-
8230	Interpersonal Communications	2	2	-	-
8240	Ocular Motility	2	2	-	-
8250	Monocular Sensory Processes	5	4	2	-
8260	Foundations of Ocular and Systemic Disease and Management I	4	3	2	-
8280	Clinical Optometry II	5	3	4	-

<b>Second Year Spring Semester</b>		<b>Credit Hours</b>	<b>Lecture Hours</b>	<b>Lab Hours<sup>†</sup></b>	<b>Clinic Hours<sup>†</sup></b>
8320	Ophthalmic Dispensing	1	-	2	-
8340	Binocular Vision and Space Perception	4	3	2	-
8370	Foundations of Ocular and Systemic Disease and Management II	5	4	2	-
8380	Clinical Optometry III	2	1	2	-
8390	Specialty Clinic Laboratory	1	-	2	-
8391	Clinical Topics in Contact Lenses	1	1	-	-
8392	Clinical Topics in Binocular Vision and Pediatric Optometry	1	1	-	-
8393	Clinical Topics in Low Vision	1	1	-	-
8560	Public Health	2	2	-	-

<b>Third Year Summer 12-week Session</b>		<b>Credit Hours</b>	<b>Lecture Hours</b>	<b>Lab Hours<sup>†</sup></b>	<b>Clinic Hours<sup>†</sup></b>
(8460)	Foundations of Ocular and Systemic Disease and Management III	2	2	-	-)
(8540)	Binocular Vision Anomalies	4	3	2	-)
(8650)	Geriatric Optometry	2	2	-	-)
(8450)	Summer Primary Care Clinic	4	-	8	-)

<b>Third Year Fall Semester</b>		<b>Credit Hours</b>	<b>Lecture Hours</b>	<b>Lab Hours<sup>†</sup></b>	<b>Clinic Hours<sup>†</sup></b>
8500	Primary Care Clinic I	6	-	-	12
8520	Contact Lenses I	3	2	2	-
8550	Low Vision	2	1	2	-
8570	Advanced Topics In Ocular and Systemic Disease & Management	6	5	2	-
8640	Pediatric Optometry	2	2	-	-

<b>Third Year Spring Semester</b>		<b>Credit Hours</b>	<b>Lecture Hours</b>	<b>Lab Hours<sup>†</sup></b>	<b>Clinic Hours<sup>†</sup></b>
8600	Primary Care Clinic II	6	-	-	12
8610	Environmental Vision	2	2	-	-
8620	Contact Lenses II	2	2	-	-
8630	Practice Management III	3	3	-	-
(8645)	Neurologic Diseases	2	2	-	-)
8660	Contact Lens Specialty Clinic	1	-	-	2
8670	Comprehensive Case Review and Analysis	1	1	-	-
8680	Ophthalmic Lasers	1	1	-	-
8690	Pediatric /Binocular Vision Specialty Clinic I	1	-	-	2

<b>Fourth Year Category 1 UM-St. Louis</b>		<b>Credit Hours</b>	<b>Lecture Hours</b>	<b>Lab Hours<sup>†</sup></b>	<b>Clinic Hours<sup>†</sup></b>
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*Note: Must enroll in 8700, 8710, and 8720 concurrently.*

8700	UM-St. Louis Pediatric/Binocular Vision Patient Care	3	-	-	6
8710	UM-St. Louis Contact Lens Patient Care	3	-	-	6
8720	UM-St. Louis Eye Health Management Patient Care	1	-	-	2

<b>Fourth Year Category 2 Institutional</b>		<b>Credit Hours</b>	<b>Lecture Hours</b>	<b>Lab Hours<sup>†</sup></b>	<b>Clinic Hours<sup>†</sup></b>
8780	External Rotation in Institutional Patient Care	7	-	-	14

<b>Fourth Year Category 3 Ocular Disease</b>		<b>Credit Hours</b>	<b>Lecture Hours</b>	<b>Lab Hours<sup>†</sup></b>	<b>Clinic Hours<sup>†</sup></b>
8790	External Rotation in Ocular Disease Patient Care	7	-	-	14

<b>Fourth Year Category 4 Intern</b>		<b>Credit Hours</b>	<b>Lecture Hours</b>	<b>Lab Hours<sup>†</sup></b>	<b>Clinic Hours<sup>†</sup></b>
8730	Community Service Patient Care Rotation A	7	-	-	14
8750	Community Service Patient Care Rotation B	7	-	-	14
8760	Community Service Patient Care Rotation D	7	-	-	14
8770	Community Service Patient Care Rotation C	7	-	-	14



<b>Fourth Year Category 5 Specialty</b>		<b>Credit Hours</b>	<b>Lecture Hours</b>	<b>Lab Hours<sup>†</sup></b>	<b>Clinic Hours<sup>†</sup></b>
8800	External Rotation in Pediatric/Binocular Vision Patient Care	7	-	-	14
8810	External Rotation in Contact Lens Patient Care	7	-	-	14
8811	External Rotation in Ophthalmic Surgical Care	7	-	-	14
8812	External Rotation in Geriatric Patient Care	7	-	-	14
8813	External Rotation in Ophthalmic Sports Vision	7	-	-	14
8814	External Rotation in Primary Care	7	-	-	14
8815	External Rotation in Pathology and Treatment	7	-	-	14
8816	External Rotation in Ophthalmic Laser Treatment	7	-	-	14
8817	External Rotation in Rehabilitative Patient Care	7	-	-	14
8820	External Rotation in Low Vision Patient Care	7	-	-	14

<b>Fourth Year Category 6 Elective</b>		<b>Credit Hours</b>	<b>Lecture Hours</b>	<b>Lab Hours<sup>†</sup></b>	<b>Clinic Hours<sup>†</sup></b>
8830	External Rotation in General Patient Care	7	-	-	14
8840	External Supplementary Rotation in General Patient Care	7	-	-	14
8850	Supplementary Rotation in General Patient Care	7	-	-	14

<b>Fourth Year Required Courses</b>		<b>Credit Hours</b>	<b>Lecture Hours</b>	<b>Lab Hours<sup>†</sup></b>	<b>Clinic Hours<sup>†</sup></b>
8870	Practice Management IV	2	2	-	-
8880	Clinic Seminar	1	1	-	-

## Elective Courses in the College of Optometry

8400	Directed Readings
8410	Directed Research

<sup>‡</sup> Due to advances in the optometric profession, sequencing of courses may change. The courses listed above are subject to change through normal academic procedures. Refer to the addendum at the end of this bulletin for curriculum changes that may affect your program sequencing.

<sup>†</sup> Every two (2) lab hours and every two (2) clinic hours is equivalent to one (1) credit hour.

Classes of 2019<sup>‡</sup>

First Year Fall Semester		Credit Hours	Lecture Hours	Lab Hours <sup>†</sup>	Clinic Hours <sup>†</sup>
8010	Anatomy, Physiology and Disease Processes I	4	3	2	-
8020	Basic and Clinical Optics I	4	3	2	-
8030	Introduction to Optometry	1	1	-	-
8040	Neuroanatomy	4	3	2	-
8050	Basic and Applied Immunology	2	2	-	-
8060	Biochemistry	2	2	-	-
8090	Case Based Discovery for the Developing Clinician	1	1	-	-
8350	Epidemiology	2	2	-	-

First Year Spring Semester		Credit Hours	Lecture Hours	Lab Hours <sup>†</sup>	Clinic Hours <sup>†</sup>
8110	Anatomy, Physiology and Disease Processes II	5	4	2	-
8120	Basic and Clinical Optics II	5	4	2	-
8160	Anatomy and Physiology of the Eye	5	4	2	-
8180	Clinical Optometry I	5	3	4	-
8190	Introduction to Clinical Diagnostic Reasoning	1	1	-	-

Second Year Fall Semester		Credit Hours	Lecture Hours	Lab Hours <sup>†</sup>	Clinic Hours <sup>†</sup>
8220	Ophthalmic Optics	4	3	2	-
8230	Interpersonal Communications	2	2	-	-
8240	Ocular Motility	2	2	-	-
8250	Monocular Sensory Processes	5	4	2	-
8260	Foundations of Ocular and Systemic Disease and Management I	4	3	2	-
8280	Clinical Optometry II	5	3	4	-

Second Year Spring Semester		Credit Hours	Lecture Hours	Lab Hours <sup>†</sup>	Clinic Hours <sup>†</sup>
8320	Ophthalmic Dispensing	1	-	2	-
8340	Binocular Vision and Space Perception	4	3	2	-
8370	Foundations of Ocular and Systemic Disease and Management II	5	4	2	-
8380	Clinical Optometry III	2	1	2	-
8390	Specialty Clinic Laboratory	1	-	2	-
8391	Clinical Topics in Contact Lenses	1	1	-	-
8392	Clinical Topics in Binocular Vision and Pediatric Optometry	1	1	-	-
8393	Clinical Topics in Low Vision	1	1	-	-
8560	Public Health	2	2	-	-

Third Year Summer 12-week Session		Credit Hours	Lecture Hours	Lab Hours <sup>†</sup>	Clinic Hours <sup>†</sup>
(8460)	Foundations of Ocular and Systemic Disease and Management III	2	2	-	-)
(8540)	Binocular Vision Anomalies	4	3	2	-)
(8650)	Geriatric Optometry	2	2	-	-)
(8450)	Summer Primary Care Clinic	4	-	8	-)

Third Year Fall Semester		Credit Hours	Lecture Hours	Lab Hours <sup>†</sup>	Clinic Hours <sup>†</sup>
8500	Primary Care Clinic I	6	-	-	12
8520	Contact Lenses I	3	2	2	-
8550	Low Vision	2	1	2	-
8570	Advanced Topics In Ocular and Systemic Disease & Management	6	5	2	-
8640	Pediatric Optometry	2	2	-	-

Third Year Spring Semester		Credit Hours	Lecture Hours	Lab Hours <sup>†</sup>	Clinic Hours <sup>†</sup>
8600	Primary Care Clinic II	6	-	-	12
8610	Environmental Vision	2	2	-	-
8620	Contact Lenses II	2	2	-	-
8630	Practice Management III	3	3	-	-
(8645)	Neurologic Diseases	2	2	-	-)
8660	Contact Lens Specialty Clinic	1	-	-	2
8670	Comprehensive Case Review and Analysis	1	1	-	-
8680	Ophthalmic Lasers	1	1	-	-
8690	Pediatric /Binocular Vision Specialty Clinic I	1	-	-	2

Fourth Year Category 1 UM-St. Louis		Credit Hours	Lecture Hours	Lab Hours <sup>†</sup>	Clinic Hours <sup>†</sup>
<i>Note: Must enroll in 8700, 8710, and 8720 concurrently.</i>					
8700	UM-St. Louis Pediatric/ Binocular Vision Patient Care	3	-	-	6
8710	UM-St. Louis Contact Lens Patient Care	3	-	-	6
8720	UM-St. Louis Eye Health Management Patient Care	1	-	-	2

Fourth Year Category 2 Institutional		Credit Hours	Lecture Hours	Lab Hours <sup>†</sup>	Clinic Hours <sup>†</sup>
8780	External Rotation in Institutional Patient Care	7	-	-	14

Fourth Year Category 3 Ocular Disease		Credit Hours	Lecture Hours	Lab Hours <sup>†</sup>	Clinic Hours <sup>†</sup>
8790	External Rotation in Ocular Disease Patient Care	7	-	-	14

Fourth Year Category 4 Intern		Credit Hours	Lecture Hours	Lab Hours <sup>†</sup>	Clinic Hours <sup>†</sup>
8730	Community Service Patient Care Rotation A	7	-	-	14
8750	Community Service Patient Care Rotation B	7	-	-	14
8760	Community Service Patient Care Rotation D	7	-	-	14
8770	Community Service Patient Care Rotation C	7	-	-	14

<b>Fourth Year Category 5 Specialty</b>		<b>Credit Hours</b>	<b>Lecture Hours</b>	<b>Lab Hours<sup>†</sup></b>	<b>Clinic Hours<sup>†</sup></b>
8800	External Rotation in Pediatric/Binocular Vision Patient Care	7	-	-	14
8810	External Rotation in Contact Lens Patient Care	7	-	-	14
8811	External Rotation in Ophthalmic Surgical Care	7	-	-	14
8812	External Rotation in Geriatric Patient Care	7	-	-	14
8813	External Rotation in Ophthalmic Sports Vision	7	-	-	14
8814	External Rotation in Primary Care	7	-	-	14
8815	External Rotation in Pathology and Treatment	7	-	-	14
8816	External Rotation in Ophthalmic Laser Treatment	7	-	-	14
8817	External Rotation in Rehabilitative Patient Care	7	-	-	14
8820	External Rotation in Low Vision Patient Care	7	-	-	14

<b>Fourth Year Category 6 Elective</b>		<b>Credit Hours</b>	<b>Lecture Hours</b>	<b>Lab Hours<sup>†</sup></b>	<b>Clinic Hours<sup>†</sup></b>
8830	External Rotation in General Patient Care	7	-	-	14
8840	External Supplementary Rotation in General Patient Care	7	-	-	14
8850	Supplementary Rotation in General Patient Care	7	-	-	14

<b>Fourth Year Required Courses</b>		<b>Credit Hours</b>	<b>Lecture Hours</b>	<b>Lab Hours<sup>†</sup></b>	<b>Clinic Hours<sup>†</sup></b>
8870	Practice Management IV	2	2	-	-
8880	Clinic Seminar	1	1	-	-

## Elective Courses in the College of Optometry

8400	Directed Readings
8410	Directed Research

<sup>‡</sup> Due to advances in the optometric profession, sequencing of courses may change. The courses listed above are subject to change through normal academic procedures. Refer to the addendum at the end of this bulletin for curriculum changes that may affect your program sequencing.

<sup>†</sup> Every two (2) lab hours and every two (2) clinic hours is equivalent to one (1) credit hour.