

Pre-Optometry Courses at UMKC

The following courses are commonly required and/or recommended for entry into optometry schools. Familiarize yourself with the requirements of optometry schools of interest to you to ensure you are taking the proper courses to meet their entry requirements.

Required Courses (science and math courses should be completed before taking the OAT)

| | | |
|--|-----------------------------------|---------------|
| Math 210 | Calculus I | 4 hrs |
| Stat 235 | General Statistics | 3 hrs |
| English 110 | English Composition I | 3 hrs |
| English 225 | English Composition II | 3 hrs |
| Biol 108 | General Biology I | 3 hrs |
| Biol 108L | General Biology I Lab | 1 hr |
| Biol 109 | General Biology II | 3 hrs |
| Biol 109L | General Biology II Lab | 1 hr |
| LS Mcrb 121 | Microbiology | 3 hrs |
| LS Mcrb 121L | Microbiology Lab | 1 hr |
| Chem 211 | General Chemistry I | 4 hrs |
| Chem 211L | General Chemistry I Lab | 1 hr |
| Chem 212 | General Chemistry II | 4 hrs |
| Chem 212L | General Chemistry II Lab | 1 hr |
| Chem 321 | Organic Chemistry I | 3 hrs |
| Chem 321L | Organic Chemistry I Lab | 1 hr |
| Chem 322 | Organic Chemistry II | 3 hrs |
| Chem 322L | Organic Chemistry II Lab | 1 hr |
| Physics 210 | General Physics I (includes lab) | 4 hrs |
| Physics 220 | General Physics II (includes lab) | 4 hrs |
| Psych 210 | General Psychology | 3 hrs |
| Psych 3XX | Psychology elective | 3 hrs |
| Total hours of Pre-Optometry coursework: | | 57 hrs |

Recommended Courses

| | | |
|--------------|--------------------|-------|
| LS Anat 118 | Human Anatomy | 3 hrs |
| LS Anat 118L | Human Anatomy Lab | 2 hrs |
| LS Phys 117 | Human Physiology | 3 hrs |
| LS Bioc 341 | Basic Biochemistry | 3 hrs |

For more information please contact:

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Pre-Optometry Courses at UMKC (con't)

In addition to the aforementioned pre-requisite courses, you should also:

- Volunteer and job shadow in a variety of optometry settings throughout your college career (i.e. general optometry offices, surgical centers, rural and urban settings, community clinics, mission trips in U. S. and abroad, etc.)
- Actively involve yourself with activities demonstrating your social conscience, compassion, and personal character
- Show leadership ability through collegiate or community activities
- Possess ability to communicate with a variety of people in a variety of ways (i.e. written, verbal, non-verbal, technological, etc.)
- Demonstrate your ability to effectively manage time

Optometry Schools and Colleges in the Midwest:

- University of Missouri-St. Louis-St. Louis, MO
- Illinois College of Optometry-Chicago, IL
- Indiana University, School of Optometry-Bloomington, IN
- Northeastern State University Oklahoma College of Optometry-Tahlequah, OK
- University of Houston, College of Optometry-Houston, TX

The following resources will be of assistance to you in exploring the options for optometry schools:

Association of Schools and Colleges of Optometry (ASCO) Homepage
<http://www.opted.org/>

ASCO Schools and Colleges of Optometry
http://www.opted.org/info_links.cfm

American Council on Optometric Education (ACOE) Accredited Degree, Residency, and Technician Programs
<http://www.aoa.org/x5175.xml>

Pre-requisites for Optometry Schools and Colleges (confirm with each school)
<http://www.opted.org/pdf/prerequisites2008.pdf>

Optometry Admission Test (OAT)
<https://www.ada.org/oat/index.html>