



UNIVERSITY OF MISSOURI – ST. LOUIS &
ST. LOUIS COMMUNITY COLLEGE
TRANSFER GUIDE



This Guide is intended for the use of students who plan on transferring from St. Louis Community College (STLCC) to the University of Missouri – St. Louis (UMSL) to pursue an undergraduate Pre-Optometry education in preparation for UMSL’s professional Doctor of Optometry program.

Pre-Optometry is not a major or a stand-alone degree program. Students may pursue a traditional path with a Bachelor’s degree followed by the four-year graduate Optometry degree. Alternatively, they can pursue a 3+4 program in which an undergraduate degree is granted when the student satisfactorily completes the first semester of the professional graduate program and has met all of the conditions for the specific undergraduate degree for which the student has applied. Students interested in this program must apply with UMSL’s Pre-Health advisor and maintain a GPA of 3.2. Some summer classes may be expected, and the student should be prepared to take the OAT by the end of their sophomore year. The UMSL Pre-Health Advisor can be reached at mcgrawd@umsl.edu. More information on being Pre-Optometry at UMSL can be found on the UMSL [website](#).

For Pre-Optometry students who first attend STLCC before transferring to UMSL, it is recommended that they pursue the Associate in Arts in General Transfer Studies. Within the requirements of this program, students are encouraged to complete the following courses that apply in transfer to the prerequisites for UMSL’s professional Doctor of Optometry program:

Biology

- Introductory Biology I - BIO 140 Principles of Biology I (4)
- Introductory Biology II - BIO 141 Principles of Biology II (4)
- Microbiology - BIO 218 Microbiology for Biotechnology (4)

Chemistry

- Introductory Chemistry I - CHM 105 General Chemistry I (5)
- Introductory Chemistry II - CHM 106 General Chemistry II (5)
- Organic Chemistry I - CHM 206 Organic Chemistry Lecture I (3)
- Organic Chemistry Laboratory - CHM 210 Organic Chemistry Lab I (2)

Mathematics

- Trigonometry - MTH 170 Trigonometry (3) or MTH 185 Pre-calculus (5)
- Calculus - MTH 186 Survey of Calculus (4) or MTH 210 Analytic Geometry & Calculus I (5)

Physics

- Introductory or Advanced Physics I - PHY 111 College Physics I (4) or PHY 122 Engineering Physics I (5)
- Introductory or Advanced Physics II - PHY 112 College Physics I (4) or PHY 223 Engineering Physics I (5)

Psychology

- General Psychology - PSY 200 General Psychology (3)

For any questions regarding this guide please contact the UMSL Office of Transfer Services at (314) 516-5162.