Pre-Optometry

University of Missouri – St. Louis & St. Charles Community College
Transfer Guide

This Guide is intended for the use of students who plan on transferring from St. Charles Community College (SCC) with a completed Associate of Arts 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 Bachelors 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 (314) 516-5501 and at southerlandj@umsl.edu. More information on being Pre-Optometry at UMSL can be found on the UMSL website.

For Pre-Optometry students who first attend SCC before transferring to UMSL, it is recommended that they pursue the Associate of Arts. 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 150 General Biology I (5)
- Introductory Biology II - BIO 151 General Biology II (5)

**Chemistry**
- Introductory Chemistry I - CHM 115 General Chemistry I (5)
- Introductory Chemistry II - CHM 116 General Chemistry II (5)
- Organic Chemistry I - CHM 240 Organic Chemistry I (3)
- Organic Chemistry Laboratory - CHM 243 Organic Chemistry Laboratory (2)

**Mathematics**
- Trigonometry - MAT 150 Trigonometry (3) or MAT 171 Pre-Calculus Mathematics (6)
- Calculus - MAT 180 Calculus & Analytic Geometry I (5) or MAT 210 Survey Calculus (4)

**Physics**
- Introductory or Advanced Physics I - PHY 150&153 General Physics I (4) or PHY 250 Engineering Physics I (5)
- Introductory or Advanced Physics II - PHY 151&154 General Physics II(4) or PHY 251 Engineering Physics II(5)

**Psychology**
- General Psychology - PSY 101 Introduction to Psychology (3)

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