This Guide is intended for the use of students who plan on transferring from Jefferson College (JeffCo) with a completed Associate in 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 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 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 205 General Botany (5)
- Introductory Biology II - BIO 206 General Zoology (5)

**Chemistry**
- Introductory Chemistry I - CHM 111 General Chemistry I (5)
- Introductory Chemistry II - CHM 112 General Chemistry II (5)
- Organic Chemistry I - CHM 200 Organic Chemistry I (5)
- Organic Chemistry Laboratory - CHM 200 Organic Chemistry I (5)

**Mathematics**
- Trigonometry - MTH 133 Trigonometry (3) or MTH 141 Precalculus (5)
- Calculus - MTH 161 Calculus for Business and the Social Sciences (3) or MTH 180 Calculus I (5)

**Physics**
- Introductory or Advanced Physics I - PHY 111 Elementary Physics I (5) or PHY 223 General Physics I (5)
- Introductory or Advanced Physics II - PHY 112 Elementary Physics II (4) or PHY 224 General Physics II (5)

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

For any questions regarding this guide please contact Sue Bateman at batemans@umsl.edu.