This Guide is intended for the use of students who plan on transferring from East Central College (ECC) 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 3.25. 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 ECC 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 also encouraged to complete courses that apply in transfer to the prerequisites for UMSL’s professional Doctor of Optometry program:

**BIOLOGY**
- Introductory Biology I - BIO 121 Principles of Biology I Lecture & Lab (5)
- Introductory Biology II - BIO 122 Principles of Biology II (5)
- Microbiology - BIO 208 - General Microbiology Lecture & Lab (4)
- Anatomy & Physiology - BIO 206 - Human Anatomy & Physiology I Lecture & Lab (4)

**CHEMISTRY**
- Introductory Chemistry I - CHM 111 General Chemistry I (5)
- Introductory Chemistry II - CHM 112 General Chemistry II (5)
- Organic Chemistry I - CHM 205 - Organic Chemistry I Lecture & Lab (5)
- Organic Chemistry II - CHM 206 - Organic Chemistry II Lecture & Lab (5)

**MATHEMATICS**
- College Algebra - MTH 170 College Algebra
- Trigonometry - MTH 171 Trigonometry (3)
- Calculus - MTH 180 Basic Calculus (3) or MTH 190 - Analytic Geometry & Calculus I (5)

**PHYSICS**
- Introductory or Advanced Physics I - PHY 111 - College Physics I Lecture (3) & PHY 112 - College Physics I Lab (2)
- Introductory or Advanced Physics I - PHY 121 - College Physics II Lecture (3) & PHY 122 - College Physics II Lab (2)
  Or
- PHY 211 - General Physics I Lecture (3) & PHY 212 - General Physics I Lab (2)
- PHY 221 - General Physics II Lecture (3) & PHY 222 - General Physics II Lab (2)

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

For questions about this transfer guide please call the Office of Admissions at 314-516-5451

The information in this Transfer Guide is in accordance with the published 2021-2022 Course Catalogs of both UMSL and ECC.