



# UNIVERSITY OF MISSOURI – ST. LOUIS & SOUTHWESTERN ILLINOIS COLLEGE TRANSFER GUIDE



This Guide is intended for the use of students who plan on transferring from Southwestern Illinois College (SWIC) 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 (314) 516-5501 and at [southerlandj@umsl.edu](mailto:southerlandj@umsl.edu). More information on being Pre-Optometry at UMSL can be found on the UMSL [website](#).

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For Pre-Optometry students who first attend SWIC before transferring to UMSL, it is recommended that they pursue the Associate in 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 - BIOL 101 Principles of Biology I (4)
- Introductory Biology II - BIOL 102 Principles of Biology II (4)
- Microbiology - BIOL 250 Microbiology (4)

## **Chemistry**

- Introductory Chemistry I - CHEM 105 General Chemistry I (5)
- Introductory Chemistry II - CHEM 106 General Chemistry II (5)
- Organic Chemistry I - CHEM 201 Organic Chemistry I (5)
- Organic Chemistry Laboratory - CHEM 201 Organic Chemistry I (5)

## **Mathematics**

- Trigonometry - MATH 114 Trigonometry (3)
- Calculus - MATH 203 Analytic Geometry & Calculus I (5) or MATH 213 Calc. for Business & Social Science (4)

## **Physics**

- Introductory or Advanced Physics I - PHYS 151 College Physics I (5) or PHYS 204 Physics – Mechanics (4)
- Introductory or Advanced Physics II - PHYS 152 College Physics II (5) or PHYS 205 Heat, Elec & Magnetism (4)

## **Psychology**

- General Psychology - PSYC 151 General Psychology (3)

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