Pre-Optometry Requirements

In addition to completing the IS core courses and all other university requirements in humanities, social sciences, and writing/communications, pre-optometry students will complete the following required (or recommended) courses:

12 Semester Hours of Mathematics/Computer Science Courses, including
Math 123 Calculus I
Math 281 Introduction to Statistics

30 Semester Hours of Science Courses, including
Biol 123/123L Basic Physiology and Lab
Biol 151/151L General Biology I and Lab
Biol 153/153L General Biology II and Lab
Biol 221/221L Human Anatomy and Lab
Biol 326/326L Biomedical Physiology and Lab
Biol 331/331L Microbiology and Lab (recommended by most optometry programs)
Chem 112/112L General Chemistry I and Lab
Chem 114/114L General Chemistry II and Lab
Phys 111/111L Introduction to Physics I and Lab AND (If two semesters of lab are required)
Phys 113/113L Introduction to Physics II and Lab
OR
Phys 211 University Physics I AND
Phys 213/213L University Physics II and Lab

Note: All IS specializations require a minimum of 12 semester hours in the natural sciences at the upper division.

An Additional 18 Semester Hours of Math, Computer Science, or Science

Recommended Additional Science Courses
Biol 371/371L Genetics and Lab
Chem 316 Fundamentals of Organic Chemistry AND
Chem 220L Experimental Organic Chemistry
OR
Chem 326/326L Organic Chemistry I and Lab

Other upper division biology/chemistry courses as appropriate. Upper division biology and other science courses from BHSU, USD or SDSU may also be appropriate.

Recommended Support Courses
Psyc 101 General Psychology
Psyc 321 Human Development: Lifespan
Psyc 451 Psychology of Abnormal Behavior

Students are encouraged to consult the admissions requirements of optometry programs for application deadlines and to determine which elective courses will be most useful. Applicants are required to take the Optometry Admission Text. Info on the OAT can be found at http://www.opted.org/en/oat

Sept. 2015