

B.S. in Biology – Pre-Optometry Advising Track

The Pre-Optometry track is a guide for students who wish to pursue the Doctor of Optometry degree (OD). There is quite a bit of flexibility in the degree requirements in order that you might enroll in courses that match your interests and goals. It is your responsibility to research the course requirements of your intended graduate program and make sure that these courses are taken in a timely manner. *Italicized courses are required for most optometry schools.*

Biology Core (25 hours)

BISC 130, 131, 132, 133 – Biological Principles & Diversity (8)

BISC 260 – Microbiology (4)

BISC 310 – Genetics (3)

BISC 313 – Ecology (3)

BISC 315 – Cell Biology (3)

BISC 320 – Animal Physiology (3)

BISC 480 – Undergraduate Seminar (1)

Biology Electives (19 hours)

BISC 225 – Human Anatomy and Physiology I (3)

16 additional hours of BISC courses available for majors' credit of which at least 10 must be at the 300/400 level. You and your advisor will discuss the courses that will be most beneficial to your career goals.

Science Electives (19 hours)

The following Chemistry courses are required by most OD programs, but make sure you check the specific requirements of programs to which you plan to apply in order to ensure you will meet their requirements:

CHEM 250, 251, 252, 253, 254 – Organic Chemistry (8)

CHEM 351 – Biochemistry (3)

You may choose additional hours of any BISC course available for majors' credit and any courses listed on the Approved Science Electives sheet. You and your advisor will discuss the courses that will be most beneficial to your career goals. Note that, in addition to the above, taking CHEM 352, 353, and 354 (5) will earn you a Chemistry Minor.

General Education Requirements (GERs) and Free Electives

For GERs in the Social Sciences, Pre-Optometry students need take at least one course in Psychology (e.g., *PSYC 102 – General Psychology*).

Pre-Optometry students also need to take *MATH 220 – Applied Calculus (3)*.