

UCO PRE-OPTOMETRY ADVISEMENT WORKSHEET 2018-2019

Northeastern State University College of Optometry

University of Central Oklahoma
 Health Professions Advisor
 Department of Biology
 200 Howell Hall
 (405) 974-5733

Required Courses for the Pre-Optometry Program	UCO Courses that Meet Required Courses for the Pre-Optometry Program
NON-SCIENCE (credits)	
English I and II (Grammar and Composition) (6)	ENG 1113 English Composition ENG 1213 English Composition and Research Prerequisite(s): ENG 1113 or 1143 or 1153 or 1173.
General Psychology (3)	PSY 1103 General Psychology
Statistics (3)	STAT 2103 Intro Statistics for Science Prerequisite(s): MATH 1513 or high school Algebra II with a minimum grade of "C".
Calculus (4)	MATH 2153 Bio-Calculus Prerequisite(s): MATH 1513 or 1533 or high school Algebra II each with a minimum grade of "C" or appropriate placement score. OR MATH 2313 Calculus Prerequisite(s): MATH 1533 and 1593 both with a minimum grade of "C" or appropriate placement score.
SCIENCE	
General Biology for science majors or Zoology (with laboratory) (4)	BIO 1225 Biology for Majors: Diversity and Laboratory
Microbiology (3)	BIO 2314 Introduction to Microbiology and Lab for Non-Majors Prerequisite(s): One course in biology and chemistry, both with a minimum grade of "C". OR BIO 3054 Microbiology for Majors and Laboratory Prerequisite(s): BIO 1204, 12225, 2203, CHEM 1223, 1232, and STAT 2103 all with a minimum grade of "C". Concurrent enrollment in BIO 3054L.
Physics I and II (with laboratory) (8)	PHY 1114 General Physics I and Laboratory Prerequisite(s): MATH 1593 and concurrent enrollment in PHY 1114L. PHY 1114L General Physics I Laboratory Prerequisite(s): MATH 1593 and concurrent enrollment in PHY 1114. PHY 1214 General Physics II and Laboratory PHY 1214L General Physics II Laboratory
General Chemistry I and II (with laboratory) (8)	CHEM 1103 General Chemistry I Prerequisite(s): MATH 1513 or concurrent enrollment. Concurrent enrollment with CHEM 1112 is required. CHEM 1112 General Chemistry I Recitation/Laboratory Prerequisite(s): Concurrent enrollment in CHEM 1103 is required. CHEM 1223 General Chemistry II CHEM 1232 General Chemistry II Recitation/Laboratory
Organic Chemistry for science majors (with laboratory) (4)	CHEM 3303 Organic Chemistry I Prerequisite(s): CHEM 1223 with a minimum grade of "C". CHEM 3312 Organic Chemistry I Laboratory Prerequisite(s): CHEM 3303 or concurrent enrollment.
Biochemistry (3)	CHEM 3403 Biochemistry I Prerequisite(s): CHEM 3303 or CHEM 3013 with a minimum grade of "C".

Other courses strongly recommended: BIO 2504 Human Anatomy and Lab; BIO 2604 Human Physiology and Lab; MCOM 1113 Fundamentals of Speech; CMSC 1103 Introduction to Computing Systems; ACCT 2113 Accounting I; PSY 3833 Experimental Psychology.

If you have any questions regarding prerequisites, please meet with an academic advisor in the Nigh Advisement Center. If you have specific requests regarding biology prerequisites being waived, please contact the Biology Department Chair.

<https://optometry.nsuok.edu/Future-Students/Application-Process/Prerequisites>

PRE-OPTOMETRY PROGRAM

CREDIT HOURS AND GRADE POINT AVERAGE (GPA):

All applicants to the NSU College of Optometry must present a minimum of 90 semester credit hours from an accredited college or university. Applications with only this minimum; however, are not encouraged to apply unless they have demonstrated exceptional personal and intellectual maturity. General, a B.S. is required. If a student has completed 94 hours, the possibility exists that UCO will grant a bachelor's degree in Biomedical Sciences after successful completion of the first year in optometry school. This is an option requiring careful supervision by the pre-optometry advisor.

In addition to the minimum hours, applications must present a minimum grade point average of 2.7 (A=4.0) with a minimum grade of "C" in each required course. For a recently entering NSU class, the average GPA was 3.5 overall.

OPTOMETRY ADMISSION TEST (OAT):

All applicants to optometry school must take the Optometry Admission Test. Students should take the test by the fall semester of the year they apply. For more information about the test and for registration, <https://www.ada.org/oat/index.html>

For a recently entering NSU class, the OAT average score was 310-320.

ADVISEMENT AT UCO: Advisement for students planning to enter the health professions is coordinated by the Health Professions Advisor in the Biology Department. Graduation checks and curriculum planning are coordinated by your academic advisor; NUC 121. Since the premedical advisor will prepare a letter summarizing the Premedical Committee's evaluation when students apply to medical school, wise students will visit regularly enough to be known personally and benefit from their knowledge of the application process. However, it is essential that premedical students hold themselves responsible for knowing the requirements and deadlines. **SELECTION OF MAJOR:** It should be emphasized that "pre-optometry" is not a major. It simply means that the student is meeting requirements for admission to optometry school. Thus, in addition to satisfying these requirements, the student should be working toward a baccalaureate degree in some discipline. There is no recommended major for pre-optometry students. The College of Optometry encourages a broad general curriculum in the social sciences and humanities in addition to a high level of competence in the physical and biological sciences. Good communication skills are also important. Beyond this, the best advice for students is to select a major in an area that will offer stimulating challenges and provide a viable alternative to optometry if they are not admitted to the College.

QUALITY OF CURRICULUM: Pre-optometry students should choose a curriculum that demonstrates a capacity to handle the rigors of optometry school. If they choose the easiest curriculum they can manage, it will be obvious to the Admissions Committee that they have been protecting their GPA. It will certainly deprive them of the level of preparation they need for professional school.

OPTOMETRY EXPERIENCE: In order to test the depth of their commitment, pre-optometry students are advised to get direct exposure to the practice of optometry. Many optometrists will allow students to shadow in their clinics, and talk with them about career choices. A letter of reference from an optometrist is helpful.

For more information about Optometrists and Optometry Programs:

<http://www.opted.org/i4a/pages/index.cfm?pageid=1>

For Optometry information from Northeastern State University contact: **Ms. Brooke Johnson, College of Optometry, Northeastern State University, Tahlequah, OK 74464-7017, (918) 444-4036**

<http://www.optometry.nsuok.edu>

Email: johns283@nsuok.edu

To Apply to NSU and other Optometry schools: <http://www.optomcas.org>