UNIVERSITY OF PITTSBURGH AT BRADFORD

OPTOMETRY

pre-professional program

The Pre-Optometry program at Pitt-Bradford prepares students for Optometry School program. Pitt-Bradford students have two avenues to take in preparation for Optometry School.

Required Skills:

Science

Active Listening

Critical Thinking

Speaking

Coordination

Reading Comprehension

Service Orientation

Required Knowledge:

Medicine and Dentistry

Customer Service

Mathematics

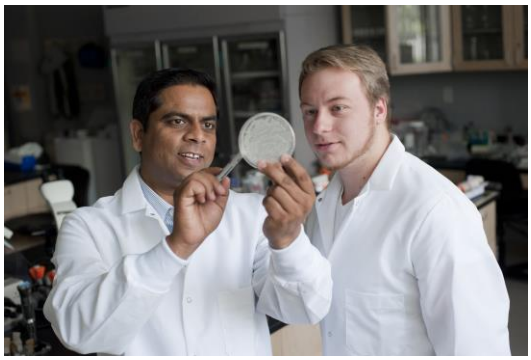
Biology

English Language

Psychology

General Business Concepts

Physics



Optometry is a health care profession concerned with eyes and related structures, as well as vision, visual systems, and vision information processing in humans. Optometrists are qualified to diagnose and treat eye diseases such as infections and glaucoma. They also advise customers on aesthetics.

The optometrist is licensed to conduct eye exams, prescribe corrective contact lenses and glasses, and diagnose and treat eye disease. He or she will work through various vision therapies to treat abnormalities, and can prescribe drugs for the eyes.

There are two options available Pitt-Bradford students interested in a career in Optometry. The first option is to participate in the affiliation agreement between the University of Pittsburgh at Bradford and the Pennsylvania College of Optometry at Salus University. The other options involve completing a bachelor's degree at Pitt-Bradford and then apply to a graduate program in Optometry. Most pre-optometry students complete an undergraduate degree in a major with a heavy concentration in the sciences such as Biology or Chemistry in preparation for optometry school course work.

WORK ACTIVITIES

- Making Decisions and Solving Problems
- Working Directly with the Public
- Documenting/Recording Information
- Assisting and Caring for Others
- Updating and Using Relevant Knowledge
- Analyzing Data or Information
- Processing Information
- Establishing and Maintaining Interpersonal Relationships
- Identifying Objects, Actions, and Events

PROFESSIONAL ORGANIZATIONS:

American Academy of Optometry	www.aaopt.org
Association of Regulatory Boards of Optometry (ARBO)	www.arbo.org
Association of Schools and Colleges of Optometry (ASCO)	www.opted.org
National Optometric Association (NOA)	www.natoplassoc.org
National Board of Examiners in Optometry (NBEO)	www.optometry.org

FIND OUT MORE ABOUT CAREERS IN OPTOMETRY AT:

American Optometric Student Association	www.theaosa.org/considering-optometry-school.asp
Eye Care Source	www.eyecaresource.com/professions
Occupational Outlook Handbook	www.bls.gov/oco/ocos073.htm
Career Services	www.upb.pitt.edu/career.aspx

University of Pittsburgh | Bradford

Pre-Optometry – Curriculum Guide

Student Name: **Advisor:**

Students can identify their career goals by following the Pre-Optometry advising track however this is not an official Pitt-Bradford major. Students interested in this career must select an official major while completing the Pre-Optometry requirements.

The Pre-Optometry program at Pitt-Bradford prepares students for Optometry School program. Pitt-Bradford students have two avenues to take in preparation for Optometry School.

OPTION ONE: The University of Pittsburgh at Bradford and the Pennsylvania College of Optometry at Salus University (PCO) have an articulation agreement. Students take courses in biology, chemistry and physics at Pitt-Bradford. After completing three years and 90 credits, they are eligible to apply to PCO. After finishing one year of basic science education at PCO, students receive a bachelor's degree from Pitt-Bradford. After successful complete of three more years of the optometry education program, students receive a Doctor of Optometry degree from the PCO

Pre-Optometry Pre-Requisites (PCO)

- ☐ BIOL 0101 Introduction to Cell and Molecular Biology
- ☐ BIOL 0102 Introduction to Biodiversity
- ☐ BIOL 1302 Microbiology
- ☐ BIOL 1402 Molecular Biology *OR*
  CHEM 1306 Biochemistry
- ☐ CHEM 0101 General Chemistry I
- ☐ CHEM 0102 General Chemistry II
- ☐ CHEM 0206/0207 Organic Chemistry I with Lab
- ☐ ENG 0101 English Composition I
- ☐ ENG 0102 English Composition II
- ☐ MATH 0140 Calculus I
- ☐ MATH 0150 Calculus II (Strongly Recommended)
- ☐ PHYS 0101 Introduction to Physics I &
- ☐ PHYS 0102 Introduction to Physics II OR
- ☐ PHYS 0201/0203, Foundation of Physics I with lab &
- ☐ PHYS 202/0204 Foundation of Physics II with lab
- ☐ PSY 0101 Introduction to Psychology
- ☐ PSY 0201 Statistics *OR*
  ECON 0204 Statistical Methods *OR*
  MATH 0133 Statistics

OPTION TWO: Student prepare for Optometry School by completing a bachelor's degree at the Pitt-Bradford and then apply to any Optometry School in the nation. Most pre-optometry students choose a major that includes a heavy concentration the sciences like Biology.

Pre-Optometry Pre-Requisites (with 4 year degree):

- ☐ BIOL 0101 Introduction to Cell and Molecular Biology
- ☐ BIOL 0102 Introduction to Biodiversity
- ☐ BIOL 1302 Microbiology
- ☐ CHEM 0101 General Chemistry I
- ☐ CHEM 0102 General Chemistry II
- ☐ CHEM 0206/0207 Organic Chemistry I with Lab
- ☐ CHEM 0208/0209 Organic Chemistry II with Lab
- ☐ CHEM 1306 Biochemistry ***OR***
- ☐ BIOL 1402 Molecular Biology
- ☐ ENG 0101 English Composition I
- ☐ ENG 0102English Composition II
- ☐ MATH 0140 Calculus I
- ☐ PHYS 0101 Introduction to Physics I
- ☐ PHYS 0102 Introduction to Physics II OR
- ☐ PHYS 0201/0203 Foundations of Physics I with lab
- ☐ PHYS 0202/0204 Foundations of Physics II with lab
- ☐ PSY 0101 Introduction to Psychology
- ☐ PSY 0201 Statistics *OR*
  ECON 0204 Statistical Methods *OR*
  MATH 0133 Statistics

Course strongly recommended:

- ☐ MATH 0150 Calculus II

Program Contact: Dr. David Merwine, dkm14@pitt.edu, 814.362.5126, 203D Fisher Hall

GENERAL GRADUATION REQUIREMENTS

2.0 Cumulative Grade Point Average, 120 Earned Credit Hours, 30 Hours of Upper Level Courses (1000 level or above)

NOTE: This guide is unofficial. Completing the requirements on this sheet does NOT guarantee degree completion. Official degree completion information can be found in **MY.PITT.EDU**. Contact your Faculty Advisor and/or the Registrar's Office with questions or concerns.